

**IN THE UNITED STATES DISTRICT COURT
FOR THE SOUTHERN DISTRICT OF NEW YORK**

VIRTUAL CREATIVE ARTISTS, LLC,

Plaintiff,

v.

TRILLER, INC.,

Defendant.

C.A. No. 1:24-cv-02853

JURY TRIAL DEMANDED

PATENT CASE

ORIGINAL COMPLAINT FOR PATENT INFRINGEMENT

Plaintiff Virtual Creative Artists, LLC files this Original Complaint for Patent Infringement against Triller, Inc. and would respectfully show the Court as follows:

I. THE PARTIES

1. Plaintiff Virtual Creative Artists, LLC (“VCA” or “Plaintiff”) is a Delaware limited liability company, having business address at 338 Gracious Way, Henderson, NV 89011.

2. On information and belief, Defendant Triller, Inc. (“Triller” or “Defendant”) is a corporation organized and existing under the laws of Delaware. Defendant has its principal place of business at 133 West 19th St 5A, New York, NY 10011. Defendant has a registered agent at Paracorp Incorporated, One Commerce Plaza, 99 Washington Avenue, #805A, Albany, NY 12210.

II. JURISDICTION AND VENUE

3. This action arises under the patent laws of the United States, Title 35 of the United States Code. This Court has subject matter jurisdiction of such action under 28 U.S.C. §§ 1331 and 1338(a).

4. On information and belief, Defendant is subject to this Court’s specific and general personal jurisdiction, pursuant to due process and the New York Long-Arm Statute, due at least to

its business in this forum, including at least a portion of the infringements alleged herein at 133 West 19th St 5A, New York, NY 10011.

5. Without limitation, on information and belief, within this state, Defendant has used the patented inventions thereby committing, and continuing to commit, acts of patent infringement alleged herein. In addition, on information and belief, Defendant has derived revenues from its infringing acts occurring within New York. Further, on information and belief, Defendant is subject to the Court's general jurisdiction, including from regularly doing or soliciting business, engaging in other persistent courses of conduct, and deriving substantial revenue from goods and services provided to persons or entities in New York. Further, on information and belief, Defendant is subject to the Court's personal jurisdiction at least due to its sale of products and/or services within New York. Defendant has committed such purposeful acts and/or transactions in New York such that it reasonably should know and expect that it could be haled into this Court as a consequence of such activity.

6. Venue is proper in this district under 28 U.S.C. § 1400(b). On information and belief, Defendant has businesses in this district at 133 West 19th St 5A, New York, NY 10011. On information and belief, from and within this District Defendant has committed at least a portion of the infringements at issue in this case.

7. For these reasons, personal jurisdiction exists and venue is proper in this District under 28 U.S.C. § 1400(b).

III. COUNT I
(PATENT INFRINGEMENT OF UNITED STATES PATENT NO. 9,501,480)

8. Plaintiff incorporates the above paragraphs herein by reference.

9. On November 22, 2016, United States Patent No. 9,501,480 ("the '480 Patent") was duly and legally issued by the United States Patent and Trademark Office. The '480 Patent is

titled “Revenue-Generating Electronic Multi-Media Exchange and Process of Operating Same.” A true and correct copy of the ‘480 Patent is attached hereto as Exhibit A and incorporated herein by reference.

10. VCA is the assignee of all right, title, and interest in the ‘480 Patent, including all rights to enforce and prosecute actions for infringement and to collect damages for all relevant times against infringers of the ‘480 Patent. Accordingly, VCA possesses the exclusive right and standing to prosecute the present action for infringement of the ‘480 Patent by Defendant.

11. The invention relates to the field of creating and distributing media content, in particular, creating media content based upon submissions received on an electronic media exchange. At the time of the original invention in 1998, there was an Internet-centric problem that required a technical solution—how to develop a computer system that would allow remote contributors of electronic content to share and collaborate their content to develop new media content. The claimed invention, which predates modern crowdsourcing solutions, offers a unique, unconventional, and specially configured combination of “subsystems” in which to address the Internet-centric problem.

12. As set forth in the claims, the claimed invention has a collection of unconventional and particularly configured subsystems, including:

- “an electronic media submissions server subsystem,”
- “an electronic multimedia creator server subsystem,”
- “an electronic release subsystem,”
- “an electronic voting subsystem,” and
- their corresponding specialized databases.

13. Each of these subsystems are configured in a very specific (and not generic), unconventional and non-routine manner to offer the novel and non-obvious claimed invention.

For example, claim 1 requires an “electronic media submissions database,” which is a subsystem that receives media submissions from Internet users. This is not a generic database but rather a scalable database that must be able to receive, store, and manage multiple petabytes of multimedia data received from users all over the world. This is one of the many specialized databases required in the claim. In fact, the specification discloses the use of a sophisticated database management system known in the art at the time that was capable of handling data at this level, Oracle7. This type of database management system cannot operate on a generic computing system but rather requires specialized hardware and software.

14. As another example, the claim requires a specifically configured “electronic media submission server subsystem.” This subsystem is defined as specifically having:

- “one or more data processing apparatus,”
- “an electronic media submission database stored on a non-transitory medium,”
and
- “a submissions electronic interface.”

The “submissions electronic interface” is further specifically “configured” [1] “to receive electronic media submissions from a plurality of submitters over a public network, and [2] store the electronic media submissions in the electronic media submission database.” Further, “the electronic media submissions database” in this subsystem is further required to “store[] [1] data identifying the submitter and [2] data indicating content for each electronic media submission.” Collectively, the level of detail included in this very particular, well-defined, and unconventional subsystem makes clear that the claims include substantially more than the alleged abstract idea or merely performing an alleged abstract idea on a computer.

15. Similarly, the claim also requires a separate specifically configured “an electronic multimedia creator server subsystem.” The claim specifically defines how this second subsystem

interacts with other components including being “operatively coupled to the electronic media submissions server subsystem.” The claim also specifically defines this subsystem as “having”:

- “one or more data processing apparatus” and
- “an electronic creator multimedia database stored on a non-transitory medium.”

16. This subsystem is also specifically “configured [1] to select and [2] retrieve a plurality of electronic media submissions from the electronic media submissions database using an electronic content filter located on the electronic multimedia creator server.” The “filter” also includes a very specific algorithm of “being based at least in part on at least one of the one or more user attributes to develop multimedia content to be electronically available for viewing on user devices.” Even more detail is provided by requiring “the identification of the submitter [be] maintained with each selected and retrieved submission within the multimedia content.” Here again, collectively, the level of detail included in this very particular and well-defined and unconventional subsystem makes clear that the claims include substantially more than an alleged abstract idea or merely performing an alleged abstract idea on a computer.

17. The claim also includes “an electronic release subsystem,” which is well defined and not conventional or routine. The claim defines how this subsystem is “operatively coupled to the electronic multimedia creator server subsystem.” The claim also defines the components of this subsystem as having “one or more data processing apparatus” and being particularly “configured to make the multimedia content electronically available for viewing on one of more user devices.” These details, collectively, also make this very particular and well-defined and unconventional subsystem substantially more than an abstract idea or performing an abstract idea on a computer.

18. The claim also requires “an electronic voting subsystem,” which is well-defined, specific, and unconventional. This claimed subsystem has “one or more data processing apparatus” and is specifically “configured to enable a user to electronic vote for or electronically rate an electronically available multimedia content or an electronic media submission within a respective electronically available multimedia content.”

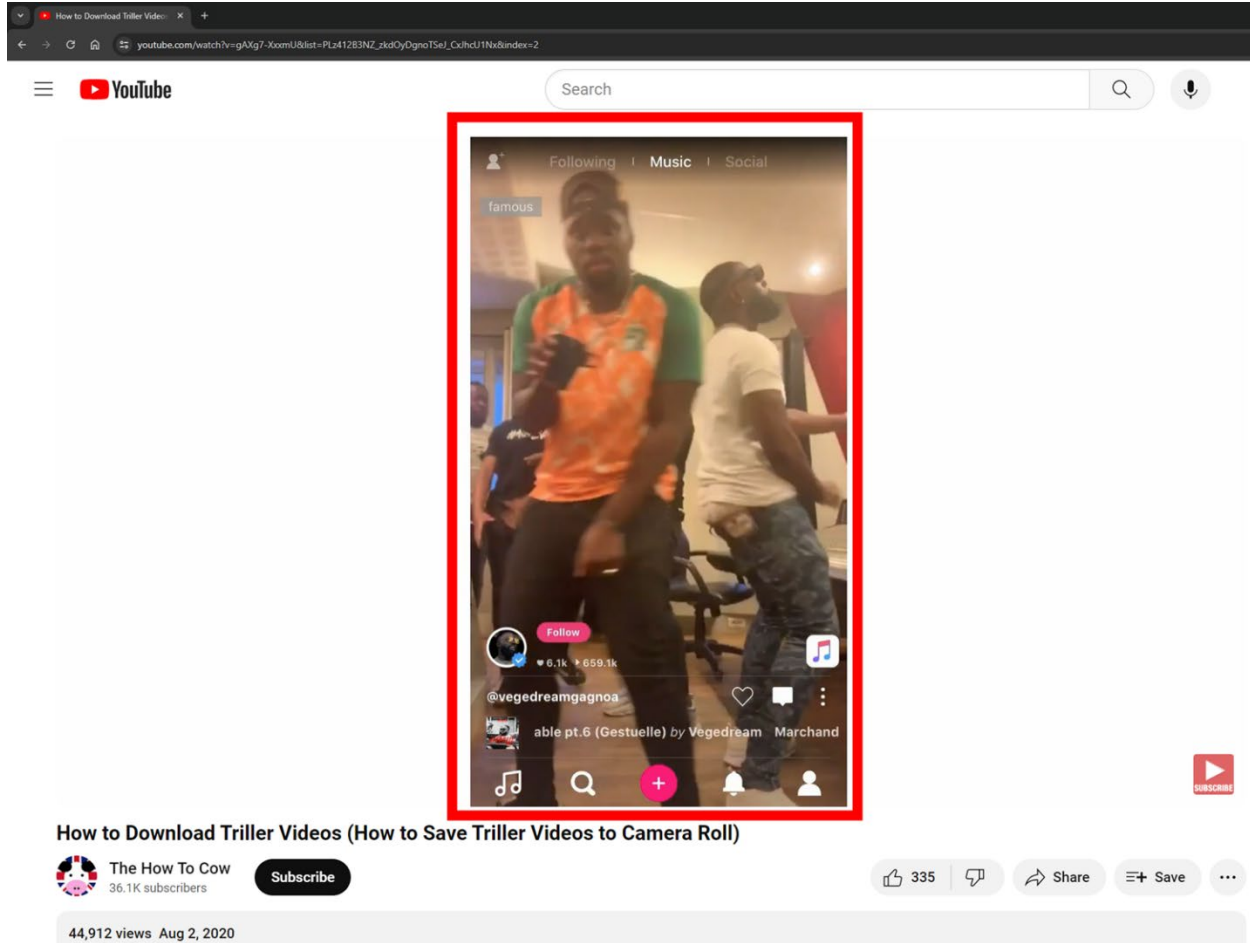
19. Claim 1 is a specific and discrete implementation. For example, the claim requires an “electronic content filter” located at the server, remote from end users, and customizable based on user attributes. As another example, the “electronic voting subsystem” at the time of the invention was novel and inventive and added sufficient inventive contributions to avoid a risk of preempting creating and distributing media content. It is possible to create and distribute media content without ever having to include a “voting” subsystem on what components should be included in such media content. The detailed configuration “to enable a user to vote for or electronically rate an electronically available multimedia content or an electronic media submission within a respective electronically available multimedia content” has the level of particularity that avoids any risk of preemption.

20. Furthermore, the very particular and specifically configured “electronic media creator subsystem” not only provides a detailed and unique physical structure and interrelationship with other claimed components, but also includes a very specific configuration that is not conventional or routine. The claims make clear the interrelationship of the “electronic multimedia creator server subsystem” with respect to “the electronic media submission server subsystem” which must be “operatively coupled” thereto. The claims also provide detail on how the “electronic media creator subsystem” is “configured” “to select and retrieve a plurality of electronic media submissions from the electronic media submission database using an electronic

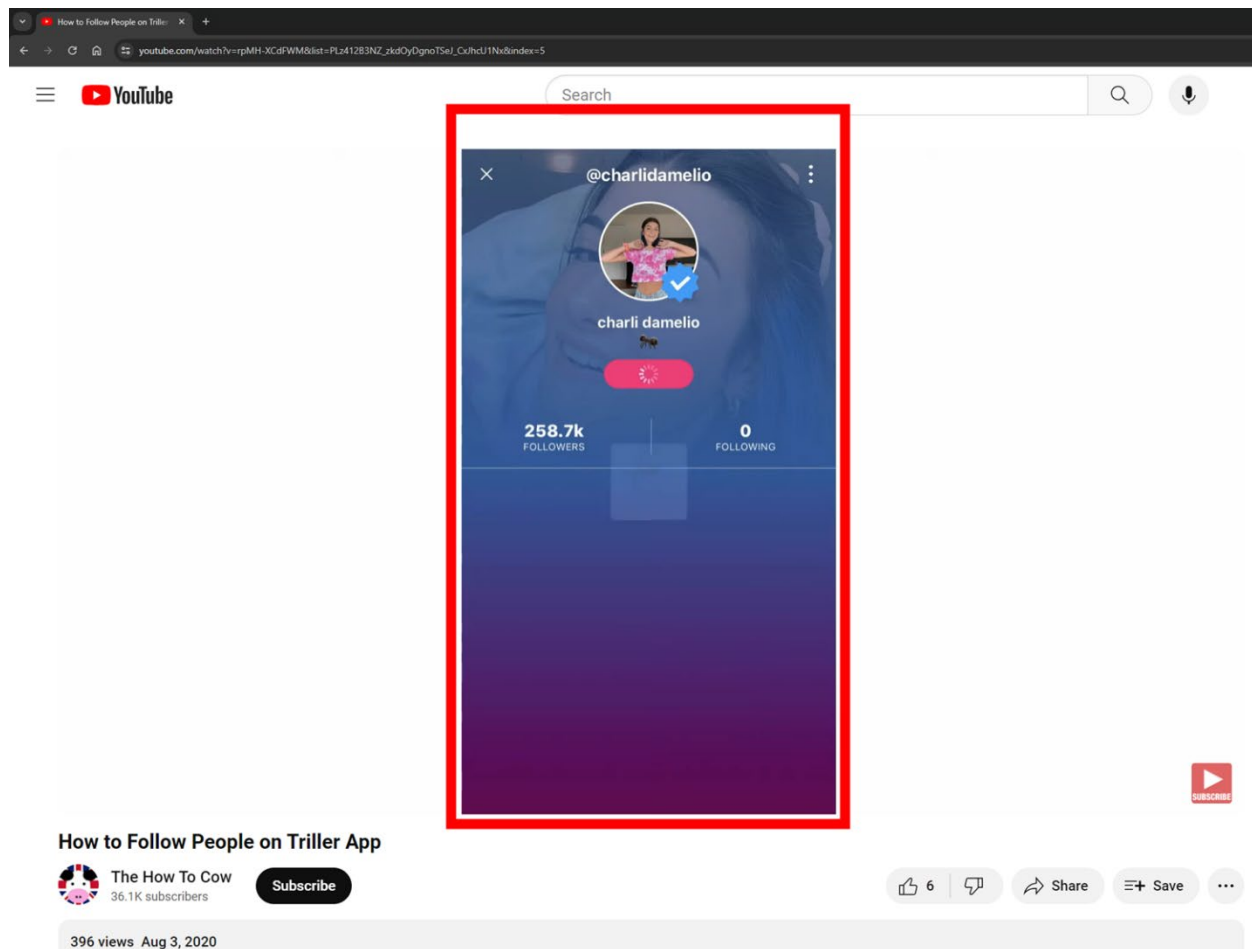
filter.” They also provide detail on how the “electronic filter” is “based at least in part on at least one of the one or more user attributes” and specifies that “the identification of the submitter is maintained with each selected and retrieved submission within the multimedia content.”

21. These arguments overcame a patent eligibility rejection under 35 U.S.C. §101 of the claim at issue during the prosecution of the ‘480 patent before the United States Patents and Trademark Office.

22. **Direct Infringement.** Upon information and belief, Defendant has been directly infringing claim 1 of the ‘480 Patent in New York, and elsewhere in the United States, by employing a computer-based system using <https://triller.co/> (“Accused Instrumentality”) (*e.g.*, <https://triller.co/>). Triller uses a computer-based system for its Accused Instrumentality to enable users (submitters) to create personalized user profiles and share multimedia content (*e.g.*, video content, photo content, and/or textual content). The profiles include multimedia content including image and textual content (*e.g.*, a submitter’s profile picture, background photo and a caption) which may be shown to other users based on, *inter alia*, user preferences and attributes. Public posts containing multimedia content submitted by submitters may also appear on a live feed of other users. Triller, during the relevant time period, took advantage of multiple cloud server providers for the Accused Instrumentality, as discussed above, as well as scalability within its cloud server providers, employing separate server subsystems for all its meaningfully different functions. Triller uses, and has used during the relevant time period, numerous different networks and providers for, *inter alia*, content management systems, web servers, web hosting, data centers, proxy certificates, SSL certificates, traffic analysis, advertising, and tagging, thereby using separate server subsystems for all its meaningfully different functions, such as those indicated below.



(E.g., https://www.youtube.com/watch?v=gAXg7-XxxmU&list=PLz412B3NZ_zkdOyDgnoTSeJ_CxJhcU1Nx&index=2).



(E.g., https://www.youtube.com/watch?v=rpMH-XCdFWM&list=PLz412B3NZ_zkdOyDgnoTSeJ_CxJhcU1Nx&index=5).

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lookup another site: [Site Info](#)
Get our [site info tools](#) or use our [site info API](#).

Site Info - Triller.co

Overview of web technologies used by Triller.co.

Website Background

Description on Homepage	Home Triller
Popularity rank	Top 1m among all websites

Website Quality Alerts

Incorrect server time	Found on page http://triller.co/ At our the last visit we found the server time to be approximately 13 minutes slow.
Are you the webmaster of this site? Register as user to get quality alerts per email.	

Content Management Systems

WordPress used on a subdomain	WordPress is an open source blog publishing and content management system, based on PHP and MySQL.
Elementor used on a subdomain	Elementor is a WordPress-based website builder.

Server-side Programming Language

PHP used on a subdomain	PHP is a scripting language for creating websites.
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Client-side Programming Language

JavaScript	JavaScript is a lightweight, object-oriented, cross-platform scripting language, often used within web pages.
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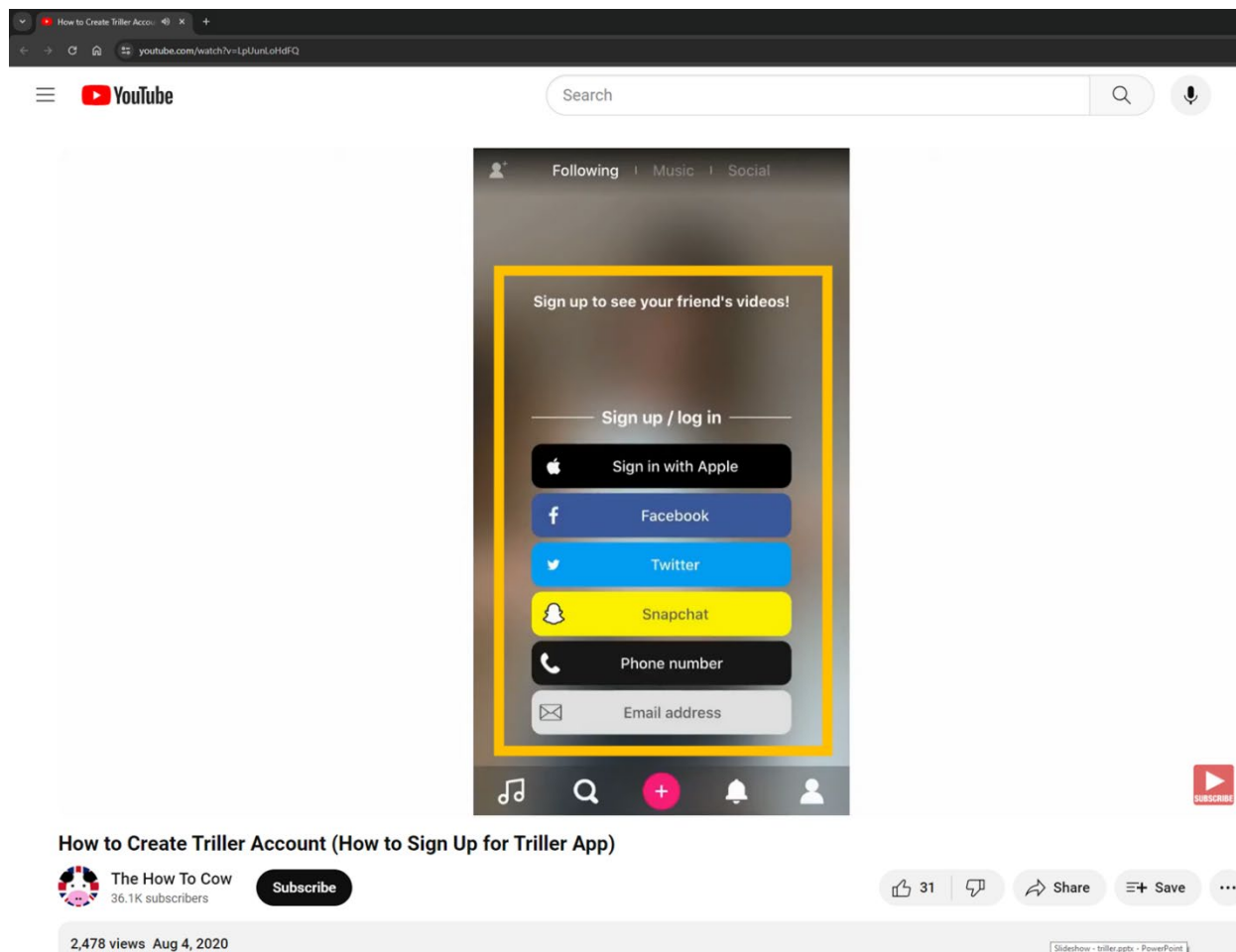
(E.g., <https://w3techs.com/sites/info/Triller.co>).

JavaScript Library	
jQuery 3.7.1 version 3.7.0 used until recently 0% of sites use a newer version used on a subdomain	jQuery is a JavaScript library that simplifies HTML document traversing, event handling, animating and Ajax interaction. Originally developed by John Resig.
Web Servers	
Nginx used on a subdomain	Nginx (pronounced as "engine X") is a lightweight open source web server developed by Igor Sysoev.
Cloudflare Server used on a subdomain	Cloudflare Server is a web server developed by Cloudflare.
Operating System	
Linux used on a subdomain	Linux is a Unix-like open source operating system originally developed by Linus Torvalds.

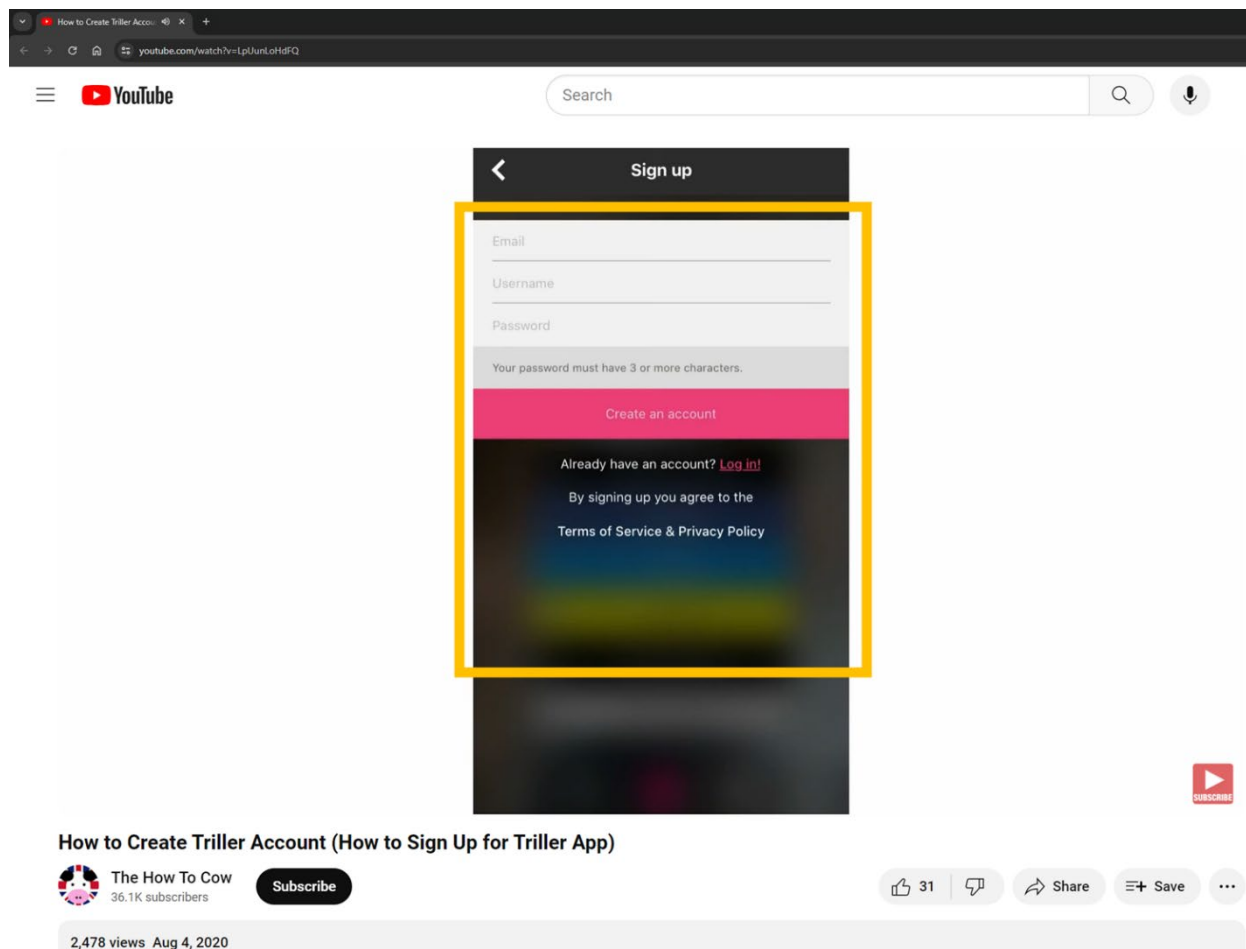
(E.g., <https://w3techs.com/sites/info/Triller.co>).

23. The Accused Instrumentality includes an electronic media submissions server subsystem, having one or more data processing apparatus and an electronic media submissions

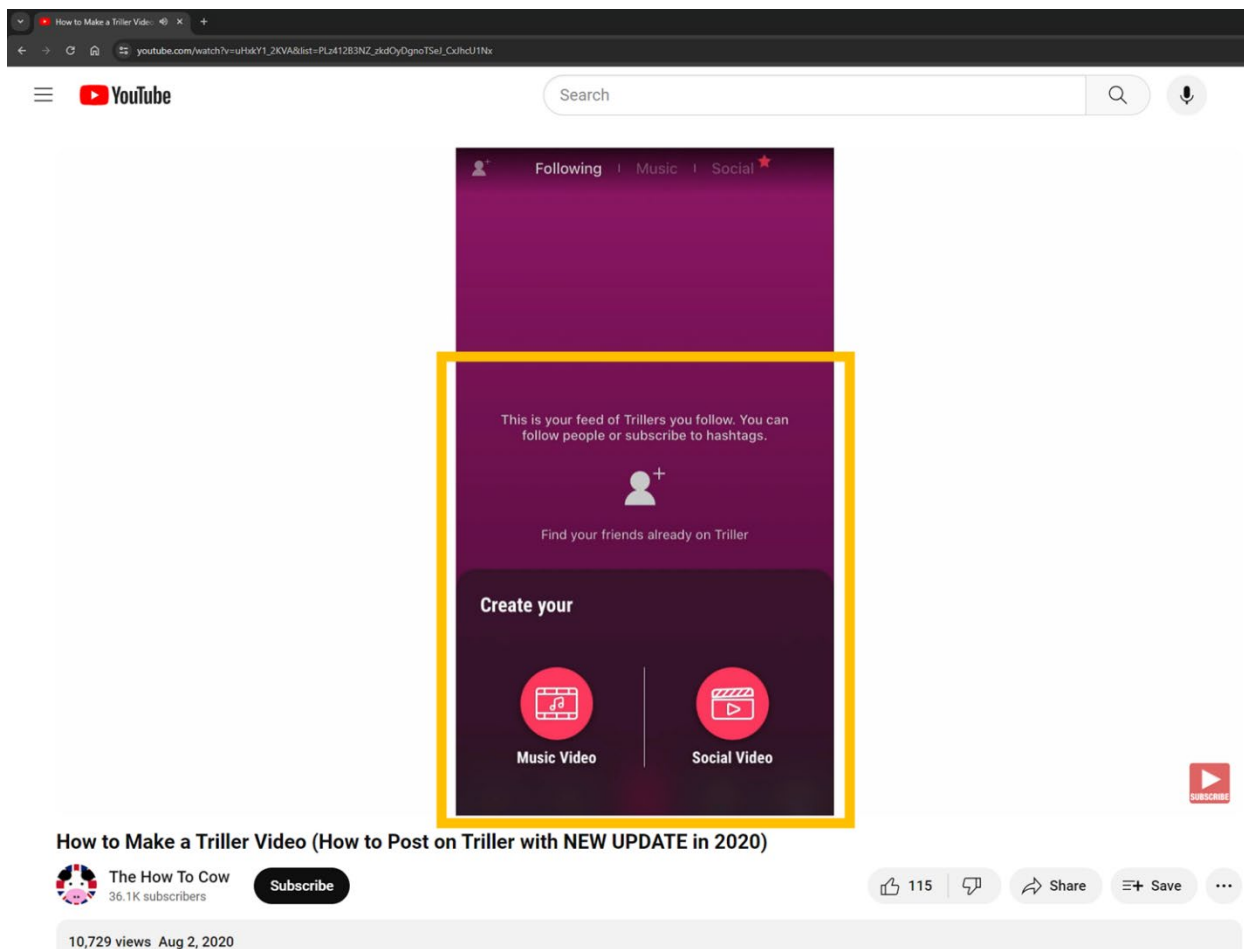
database stored on a non-transitory medium in order to process and store received submissions from a plurality of users (submitters), for example content pertaining to their respective user profiles on the Accused Instrumentality, as well as multimedia content to be displayed on one or both of the user's profile and the live feed, as discussed and shown for example in connection with the above discussion. The submissions pertaining to building a user profile and to posting on the live feed may include *e.g.*, photo, video, and/or textual content. The submissions are provided to the Accused Instrumentality via a submissions electronic interface, *e.g.*, a web-based content portal, accessible for example by logging in and selecting options to upload such content or import content, configured to receive such electronic media, from a plurality of submitters (*e.g.*, users) over a public network (*e.g.*, the Internet) and stored, via an uploading process, in said electronic media submissions database for use in distribution to other users of the Accused Instrumentality.



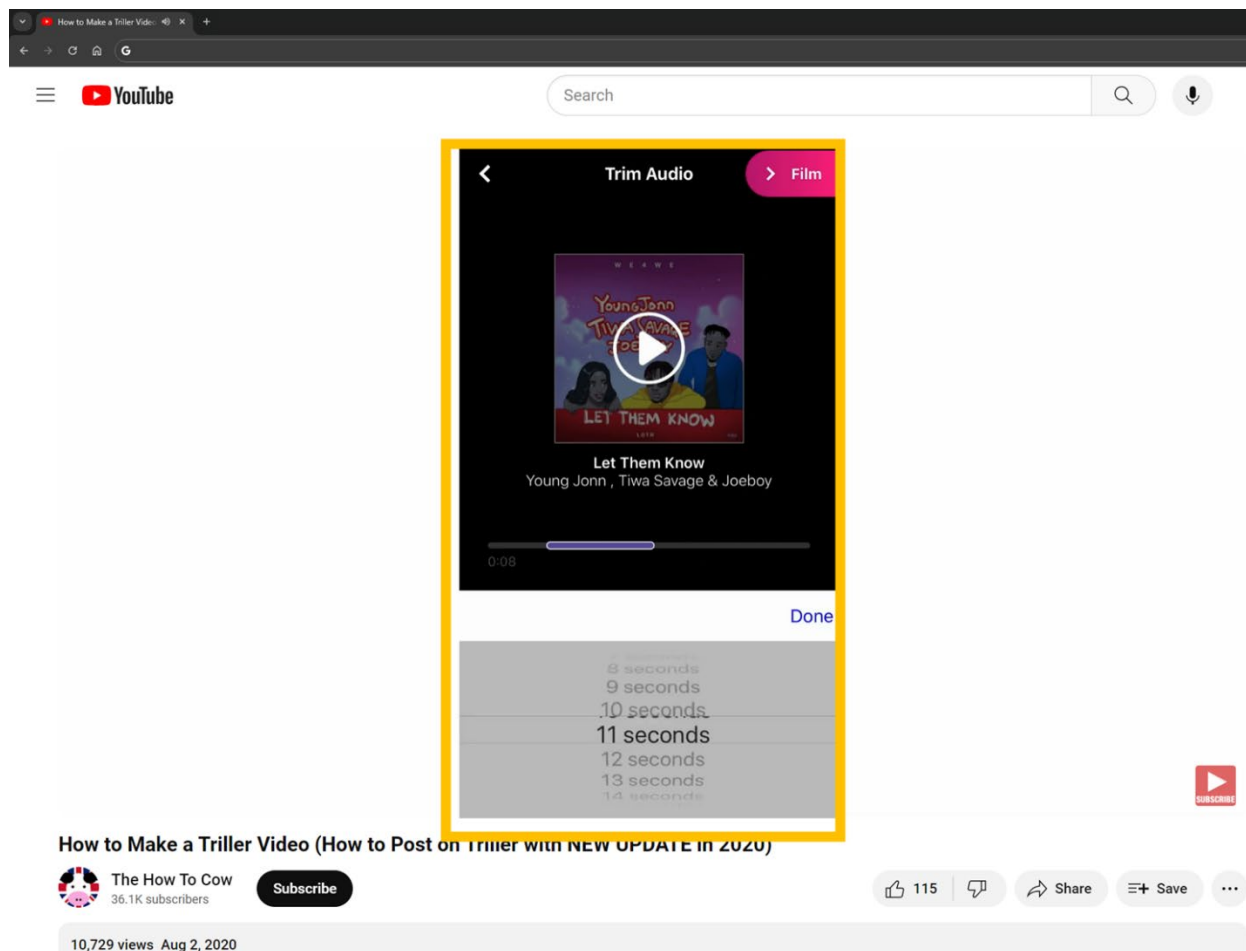
(E.g., <https://www.youtube.com/watch?v=LpUunLoHdFQ>).



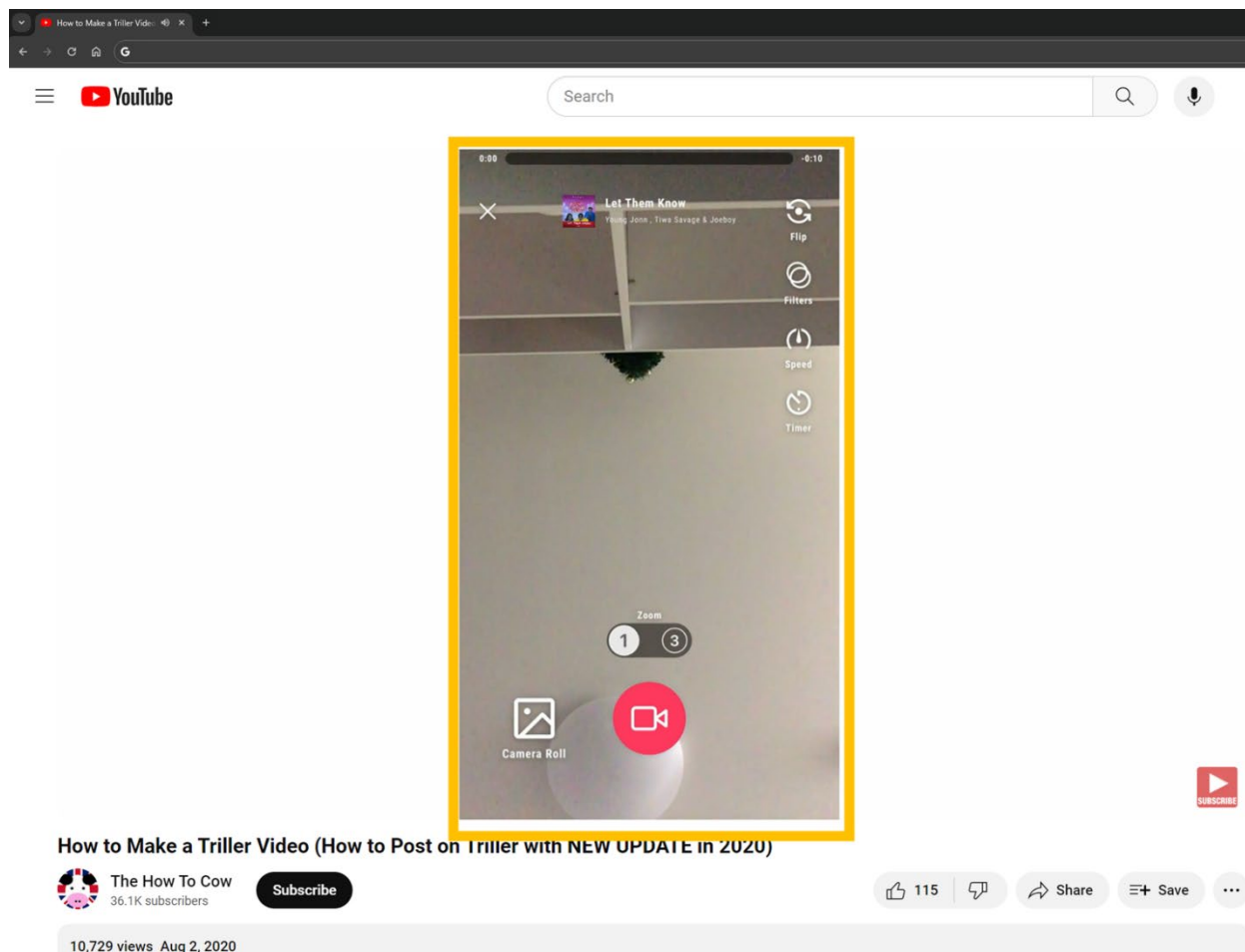
(E.g., <https://www.youtube.com/watch?v=LpUunLoHdFQ>).



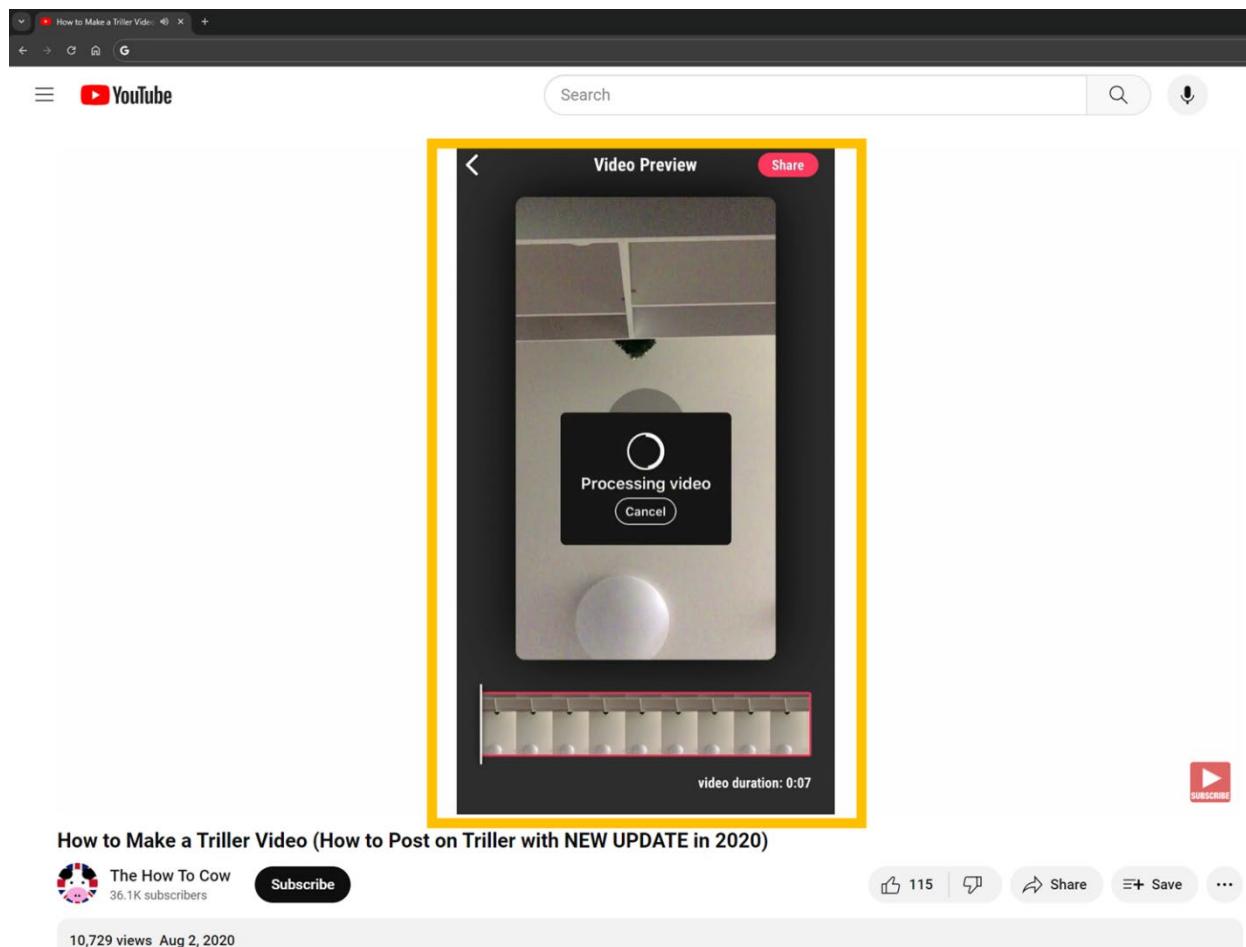
(E.g., https://www.youtube.com/watch?v=uHxkY1_2KVA&list=PLz412B3NZ_zkdOyD_gnoTSeJ_CxJhcU1Nx).



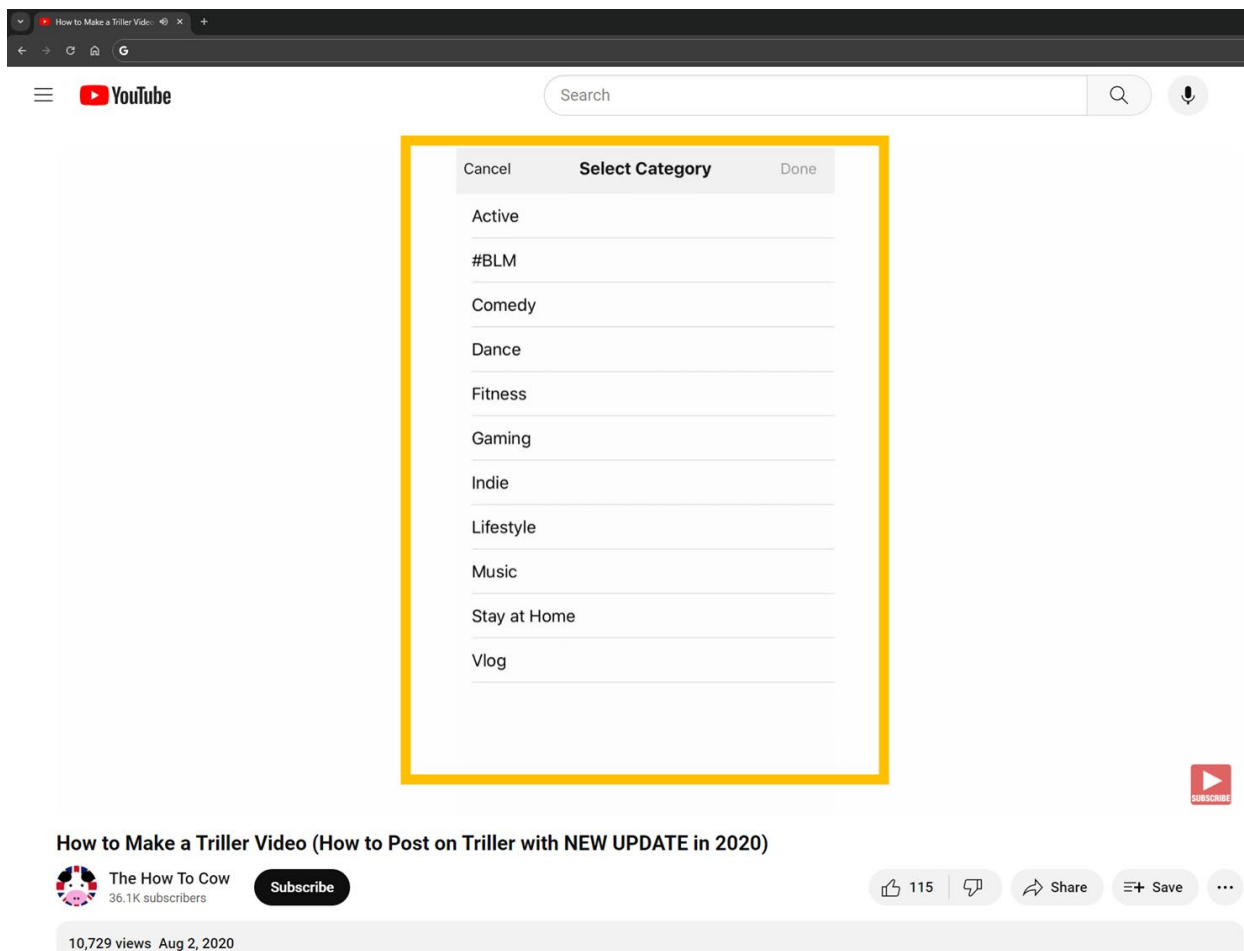
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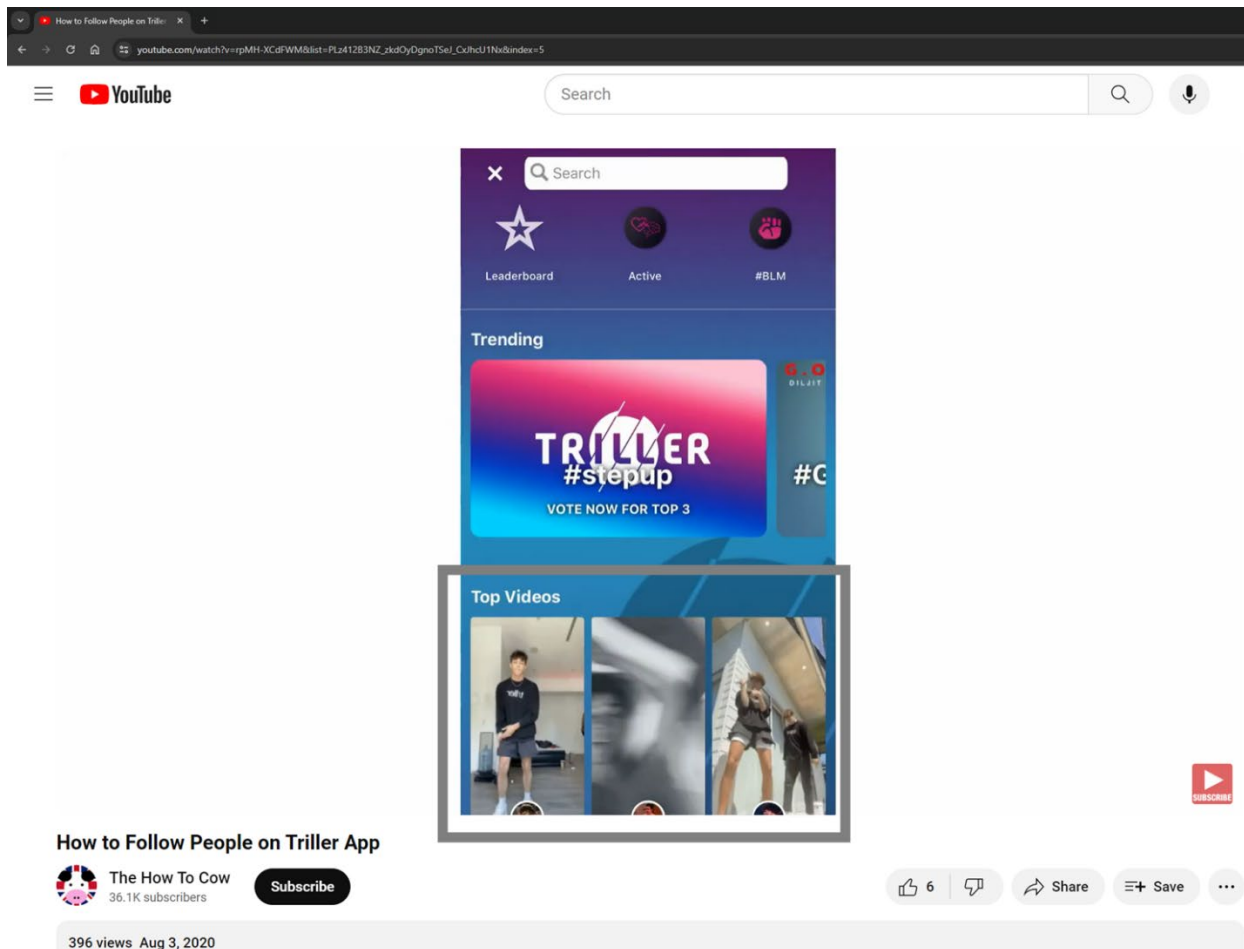
(E.g., https://www.youtube.com/watch?v=uHxkY1_2KVA&list=PLz412B3NZ_zkdOyDgnoTSeJ_CxJhcU1Nx).



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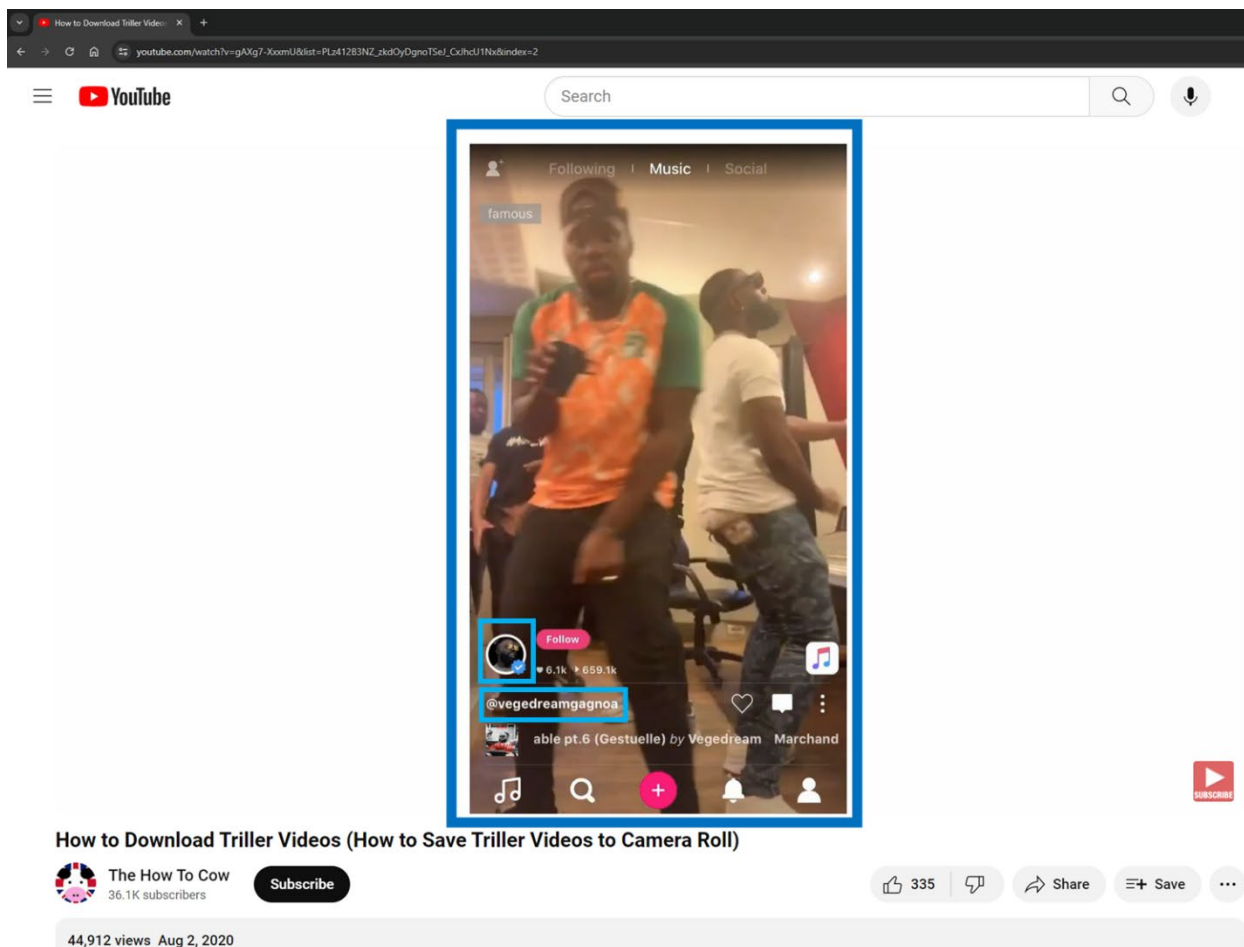


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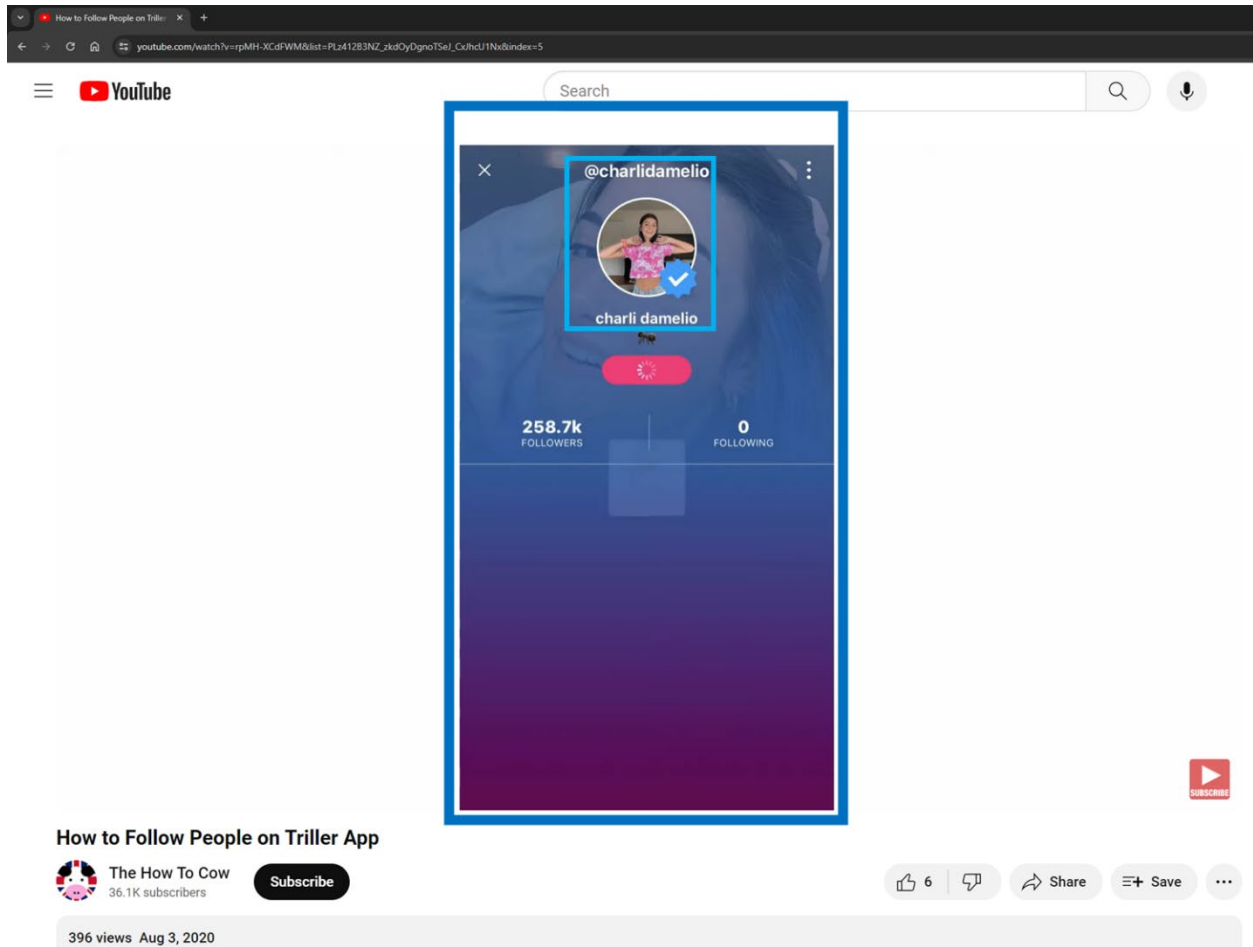


(E.g., https://www.youtube.com/watch?v=rpMH-XCdFWM&list=PLz412B3NZ_zkdOyDgnoTSeJ_CxJhcU1Nx&index=5).

24. The electronic media submissions database of the Accused Instrumentality used by Triller which stores the submissions further stores data identifying the submitter and data indicating content for each electronic media submission. As shown below, data identifying the user (submitter) includes, *e.g.*, a name, a profile address (indicated with an “@” symbol) and a profile photo. Data indicating content for each electronic media submission includes a photo, video and/or textual content.

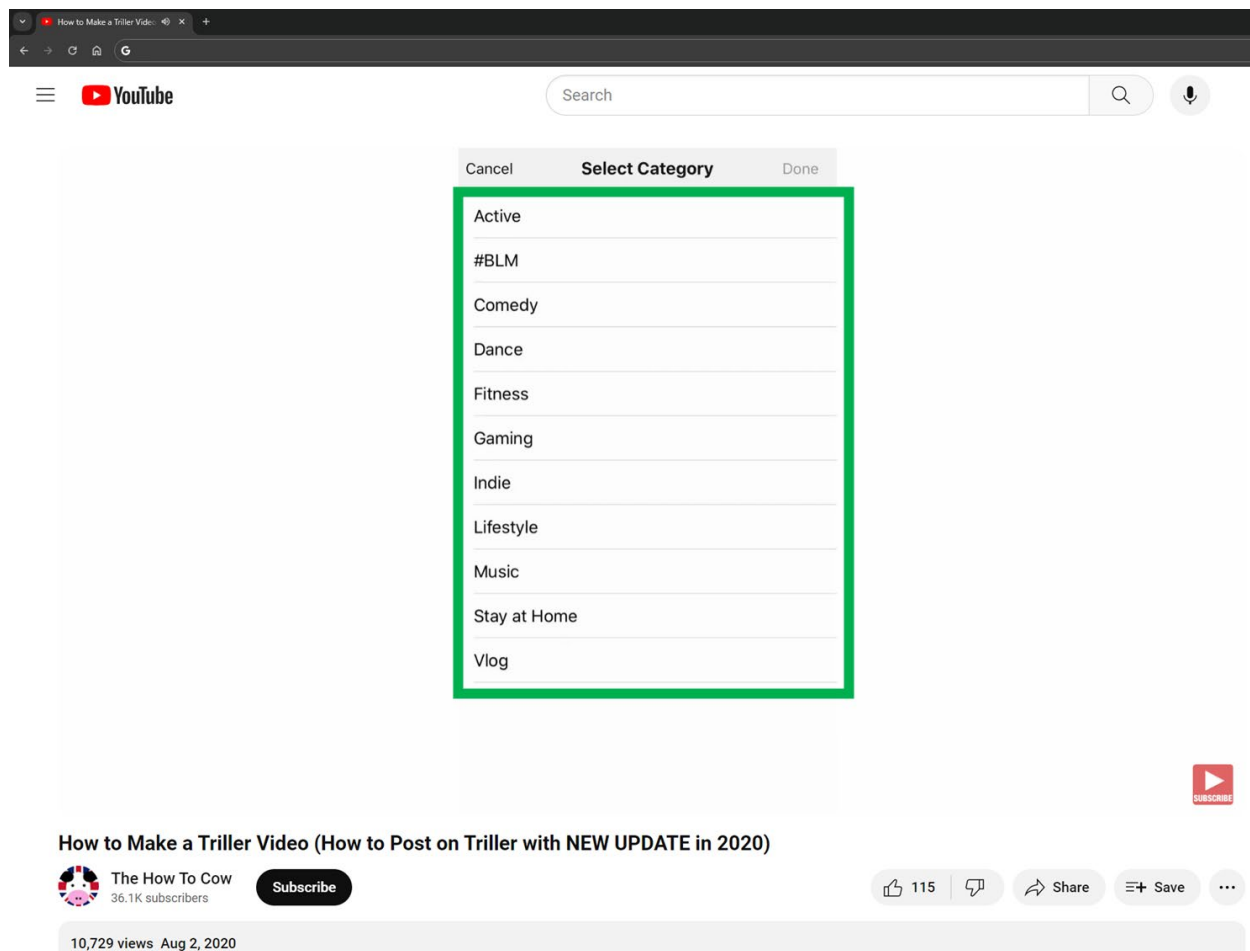


(E.g., https://www.youtube.com/watch?v=gAXg7-XxxmU&list=PLz412B3NZ_zkdOyDgnoTSeJ_CxJhcU1Nx&index=2).

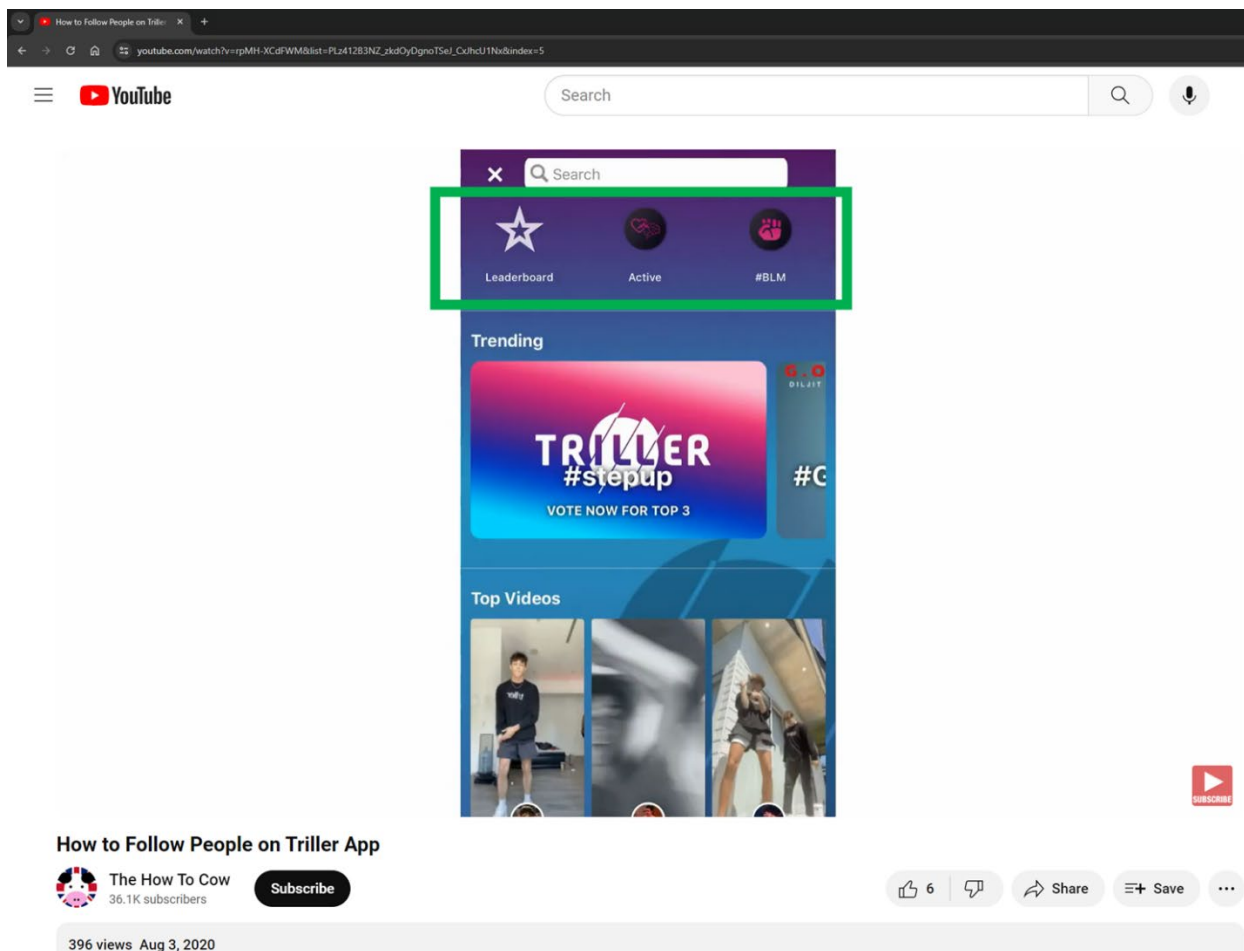


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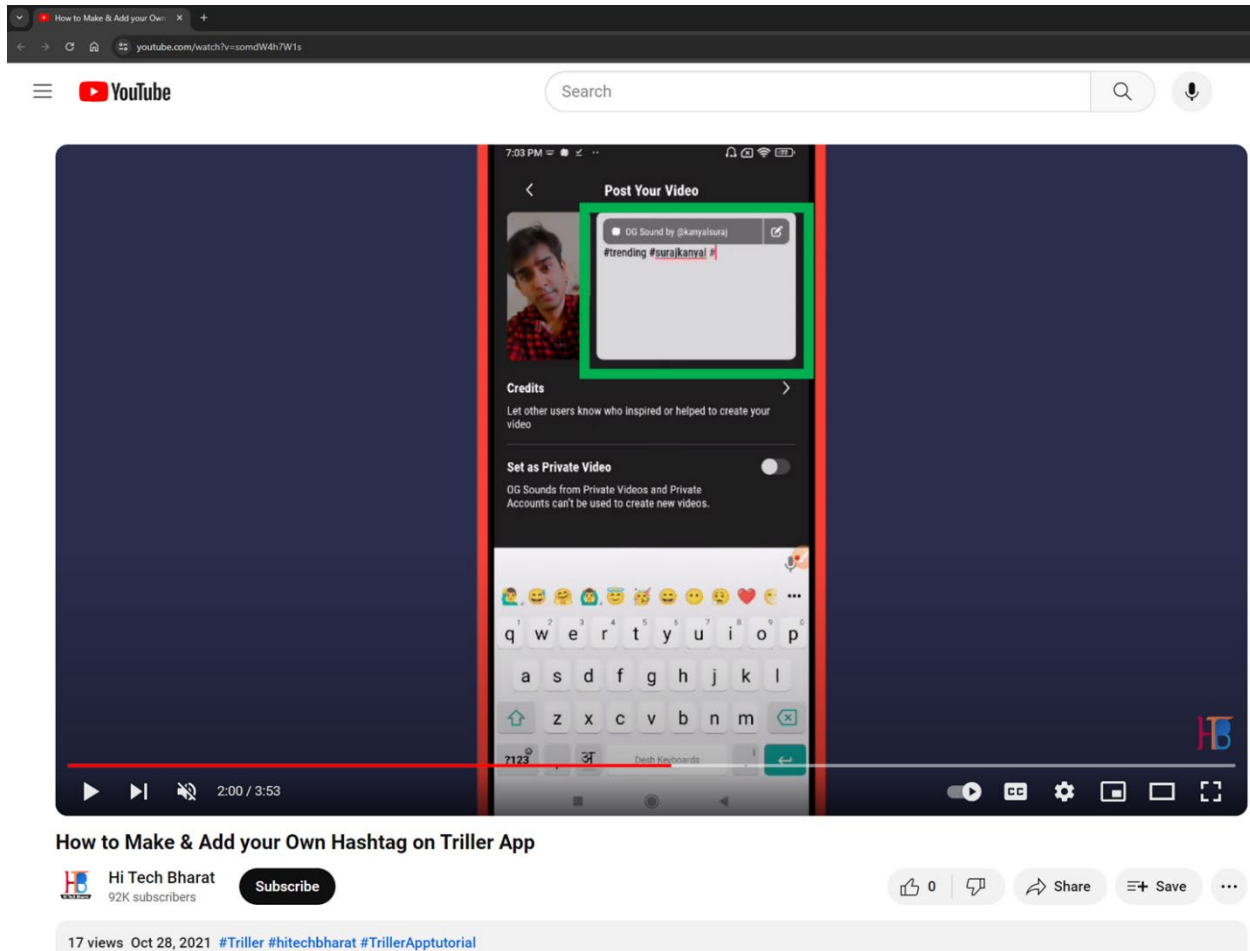
25. Individual users can sign up and create an account on Triller's Accused Instrumentality, which is stored on a user database. Such user database is stored in memory available through the Accused Instrumentality, for example as discussed above. The user attributes of users who create a profile may include, *e.g.*, a user name, display name, categories selected by the user pertaining to a post, and hashtags included in captions for a post and the like as shown in the examples below.



(E.g., https://www.youtube.com/watch?v=uHxkY1_2KVA&list=PLz412B3NZ_zkdOyDgnoTSeJ_CxJhcU1Nx).



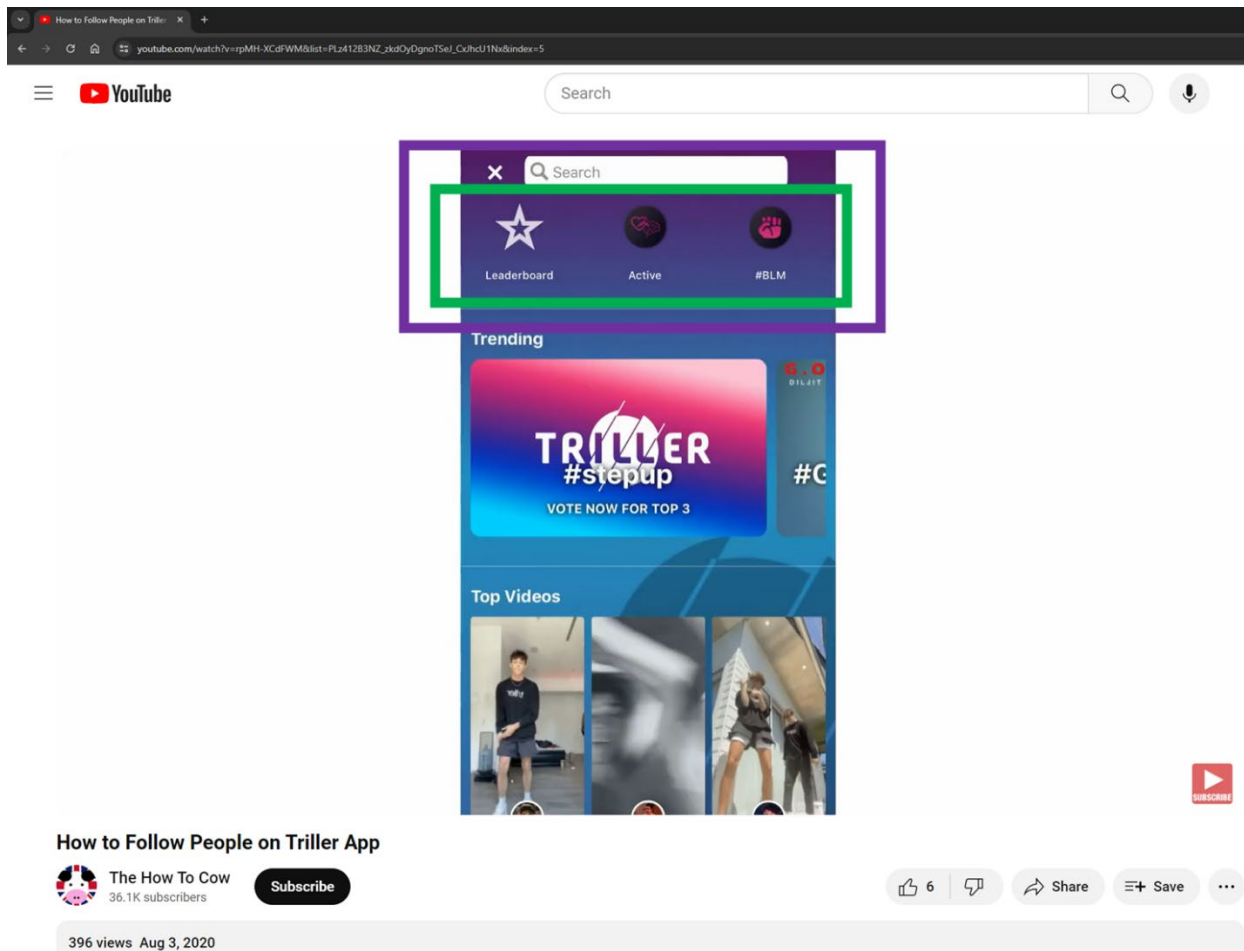
(E.g., https://www.youtube.com/watch?v=rpMH-XCdFWM&list=PLz412B3NZ_zkdOyDgnoTSeJ_CxJhcU1Nx&index=5).



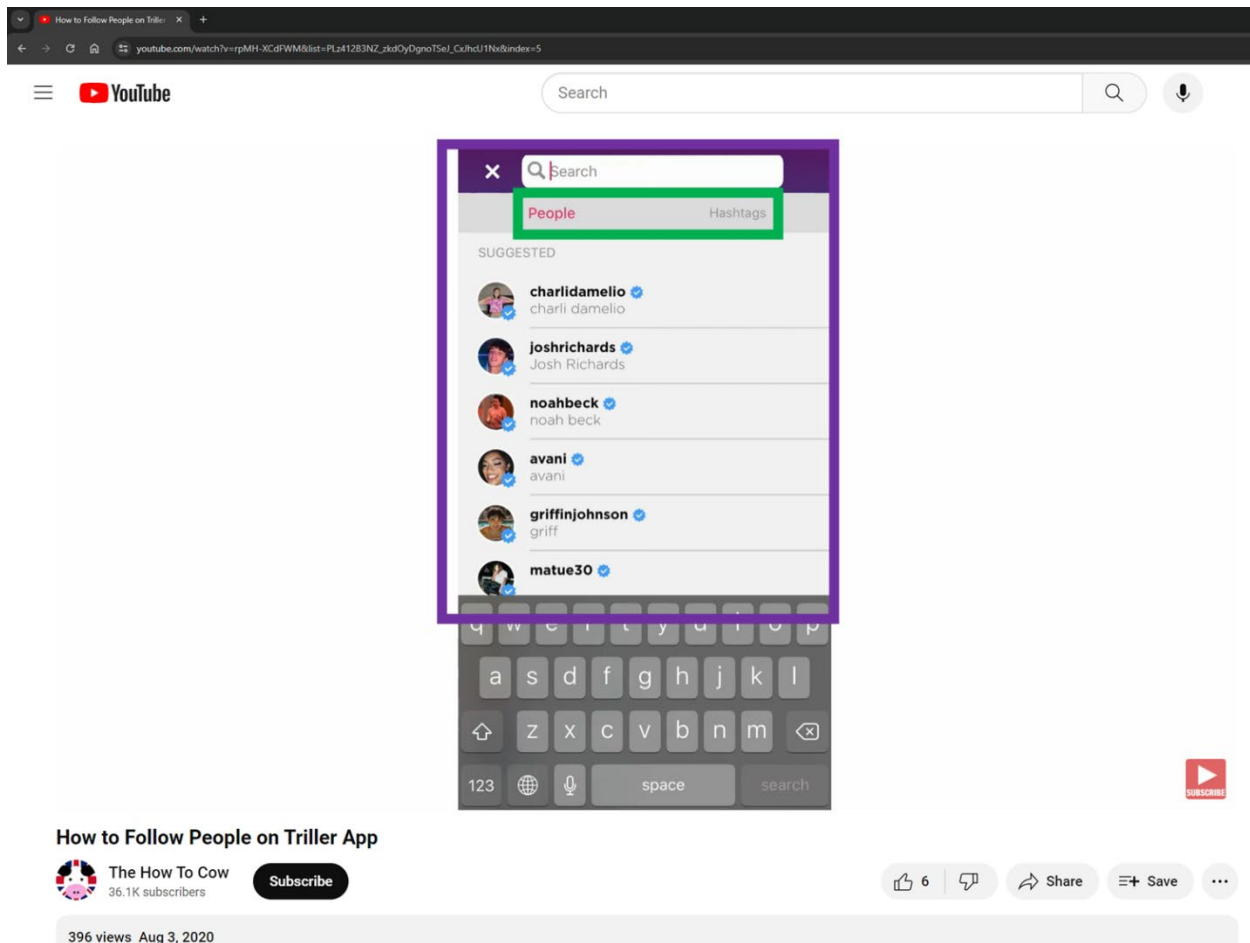
(E.g., <https://www.youtube.com/watch?v=somdW4h7W1s>).

26. The Accused Instrumentality employs an electronic multimedia creator server subsystem operatively coupled to the electronic media submissions server subsystem, necessarily having one or more data processing apparatus in order to manage content, and an electronic creator multimedia database stored on a non-transitory medium, configured to select and retrieve a plurality of electronic media submissions (*e.g.*, user profiles with associated photo content and textual content and associated user-posted media including video, photo and/or textual content) associated with the user (submitter) from the electronic media submissions database using an electronic content filter located on the electronic multimedia creator server. As can be seen below, such electronic content filter as is used by Triller is based at least in part on at least one of the one

or more user attributes, (*e.g.*, based on, *inter alia*, a user name, display name, categories selected by the user pertaining to a post, and hashtags included in captions for a post) which in turn affect which electronic media submissions, *e.g.*, profiles and associated media, appear to the user as shown and discussed for example below. Triller uses function-specific subsystems, for example as discussed below.

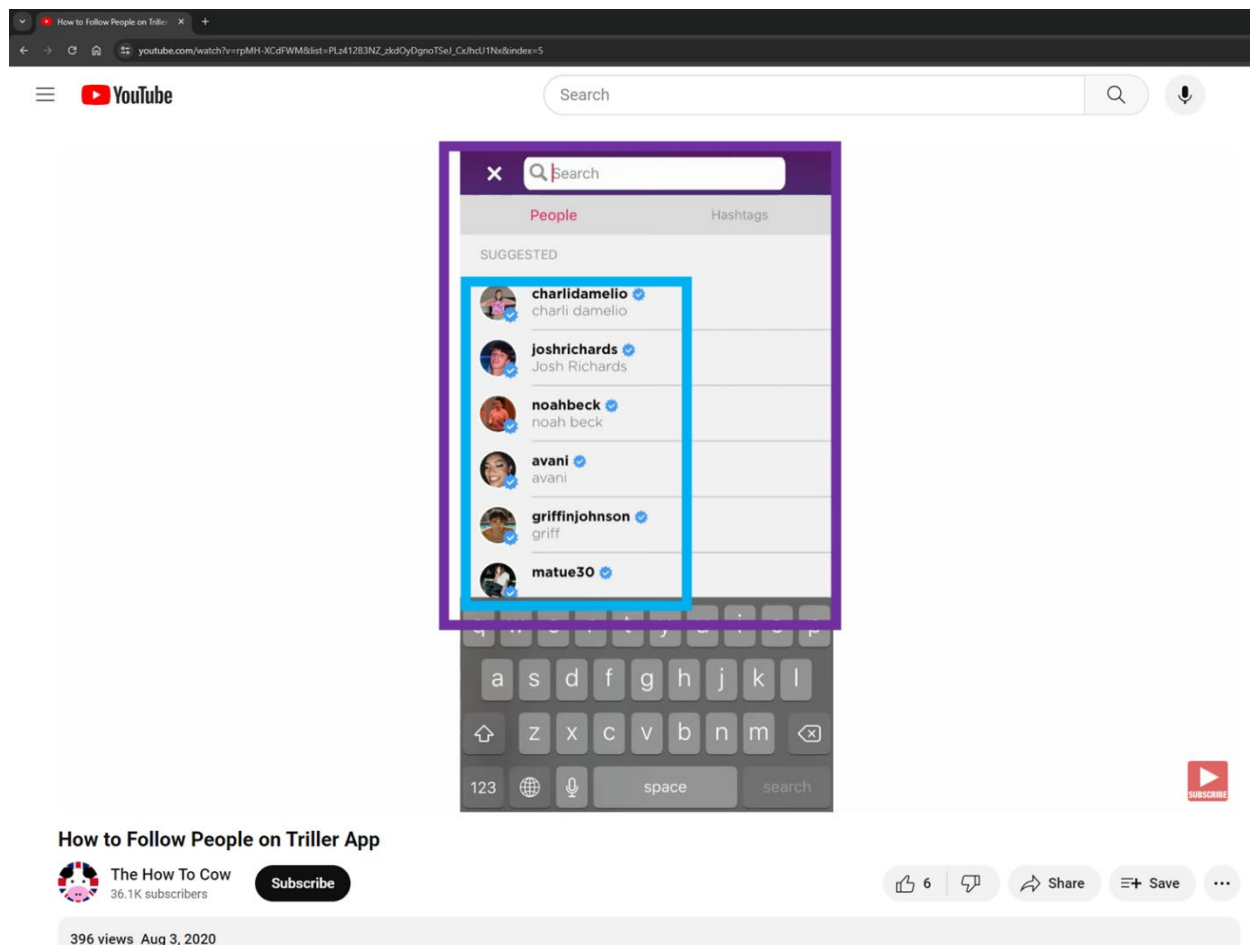


(*E.g.*, https://www.youtube.com/watch?v=rpMH-XCdFWM&list=PLz412B3NZ_zkdOyDgnoTSeJ_CxJhcU1Nx&index=5).

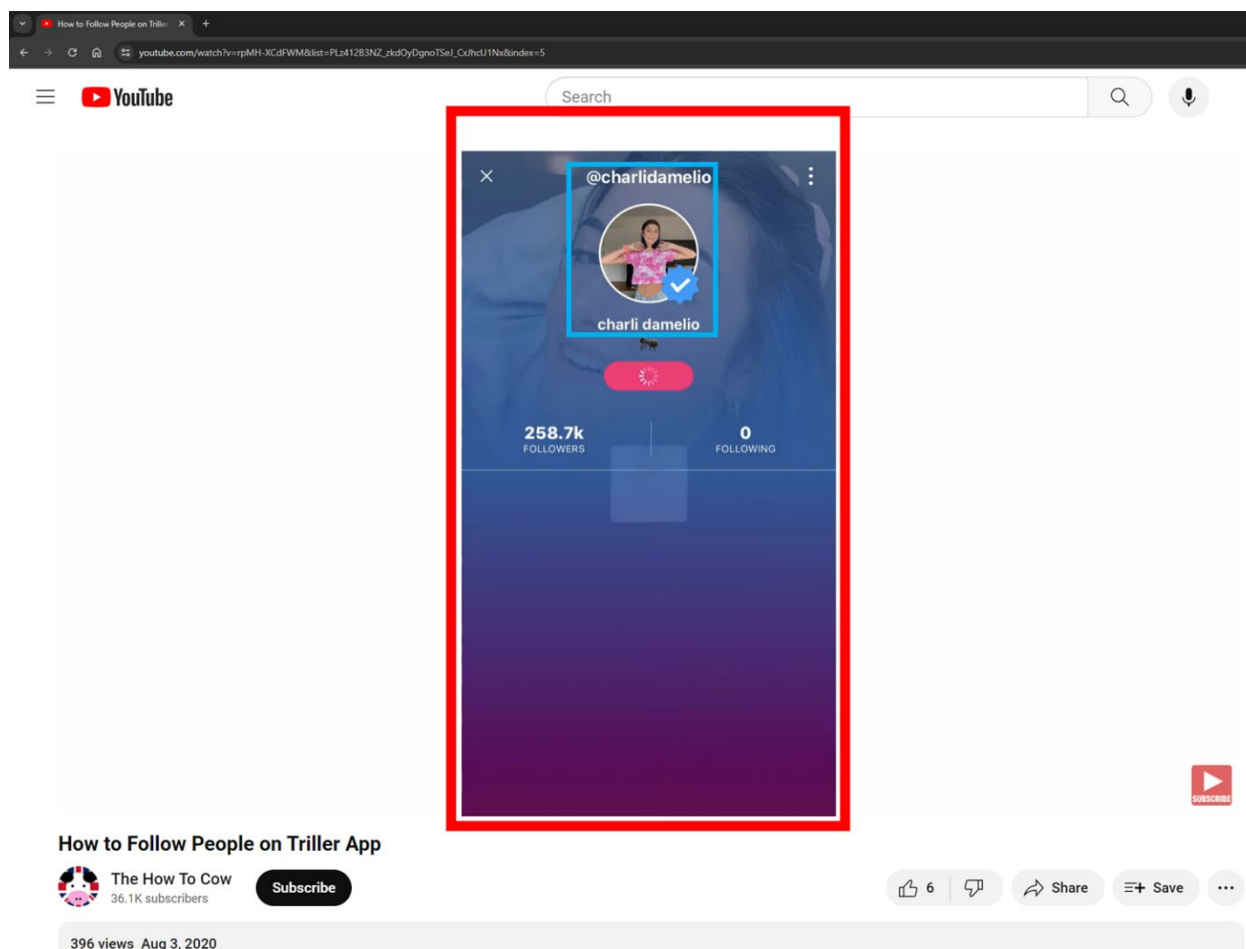


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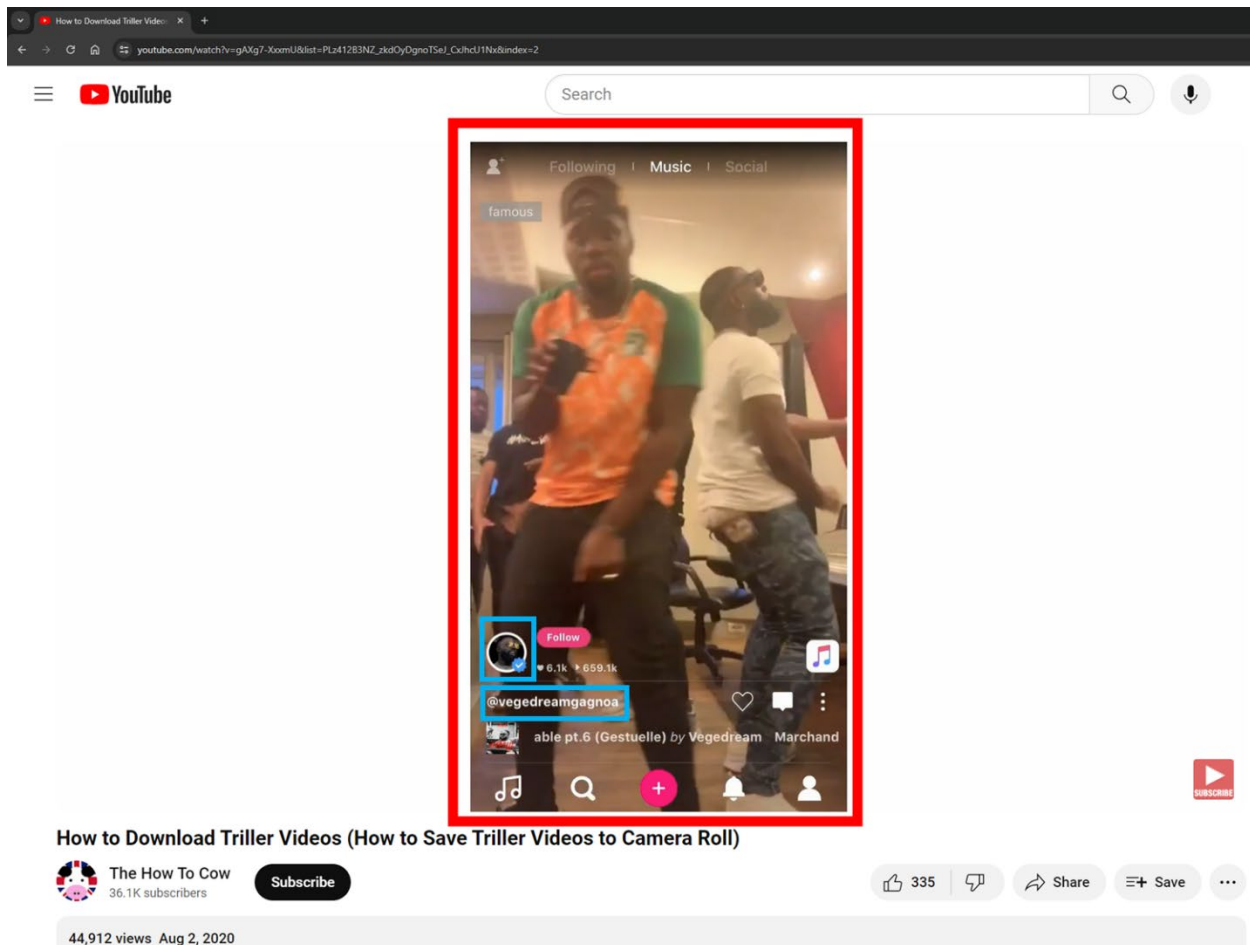
27. Such electronic content filter is used by the Accused Instrumentality to develop multimedia content (*e.g.*, the profiles and/or various content as discussed above) associated with the user (submitter) to be electronically available for viewing on user devices (*e.g.*, devices such as computers and smart phones incorporating browsers or apps) wherein the identification of the submitter (*e.g.*, a user's name and profile picture) is maintained with each selected and retrieved submission within the multimedia content, for example as shown below.



(E.g., https://www.youtube.com/watch?v=rpMH-XCdFWM&list=PLz412B3NZ_zkdOyDgnoTS_eJ_CxJhcU1Nx&index=5).



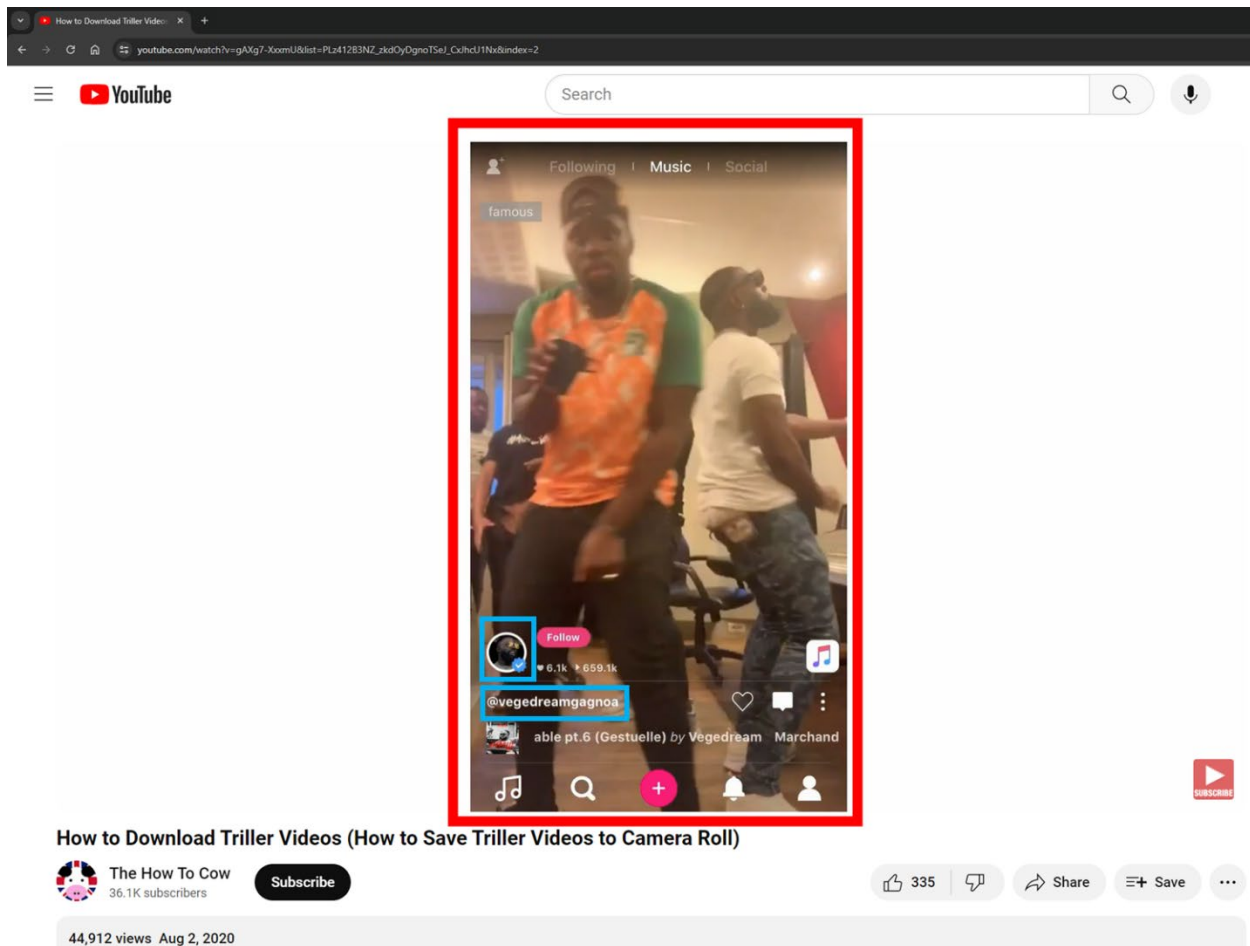
(E.g., https://www.youtube.com/watch?v=rpMH-XCdFWM&list=PLz412B3NZ_zkdOyDgnoTSeJ_CxJhcU1Nx&index=5).



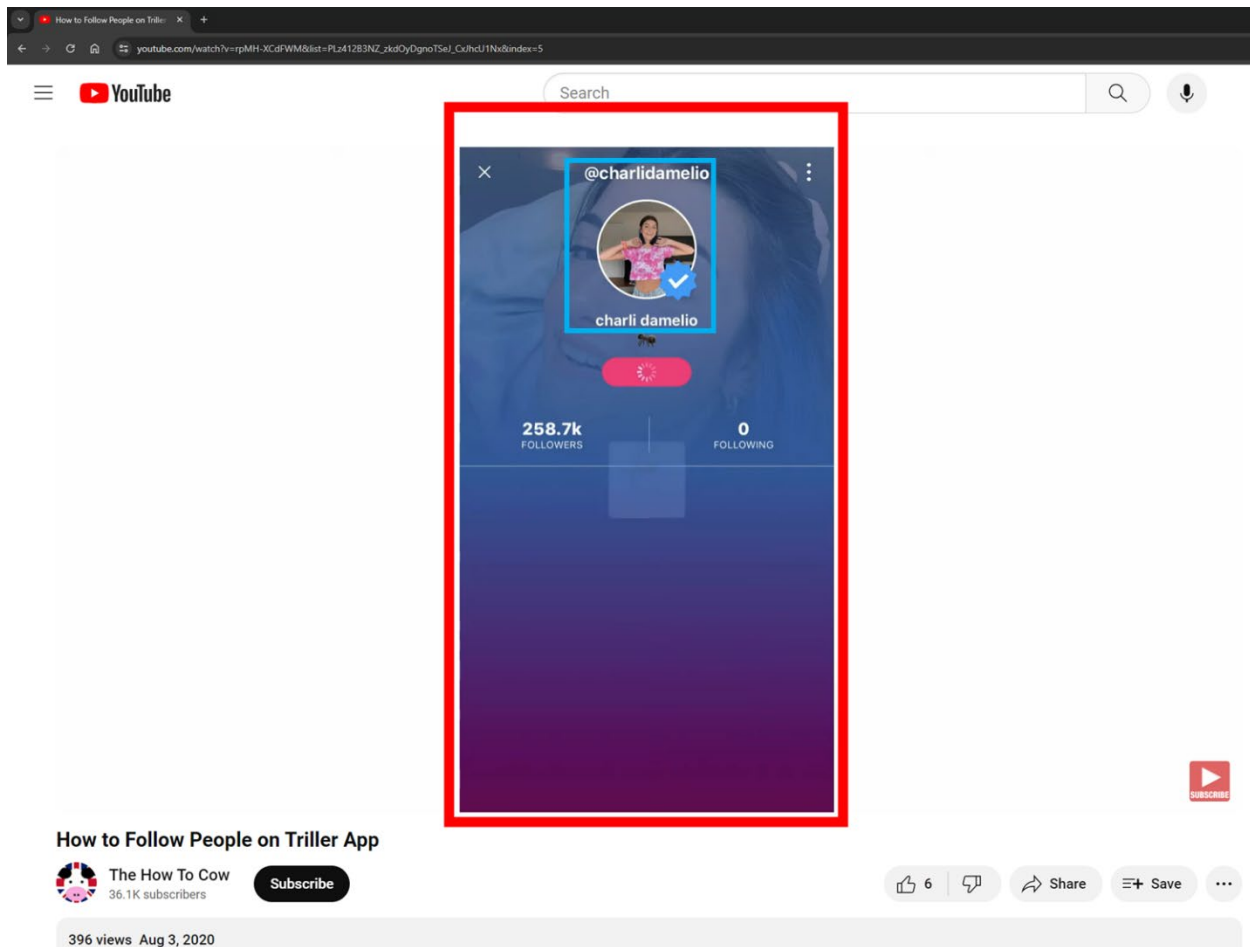
(E.g., https://www.youtube.com/watch?v=gAXg7-XxmU&list=PLz412B3NZ_zkdOyDgnoTSeJ_CxJhcU1Nx&index=2).

28. The Accused Instrumentality employs an electronic release subsystem operatively coupled to the electronic multimedia creator server subsystem, necessarily having one or more data processing apparatus in order to serve multimedia profile and/or post content with associated photo, profile picture, and textual content to users, configured to make the multimedia content electronically available for viewing on one or more user devices. For example, as shown below, multimedia content associated with user profiles and posts is provided on various user devices (e.g., a computer or other device with a web browser or app) in response to a user logging in to the

Accused Instrumentality. Triller uses function-specific subsystems, for example as discussed below.

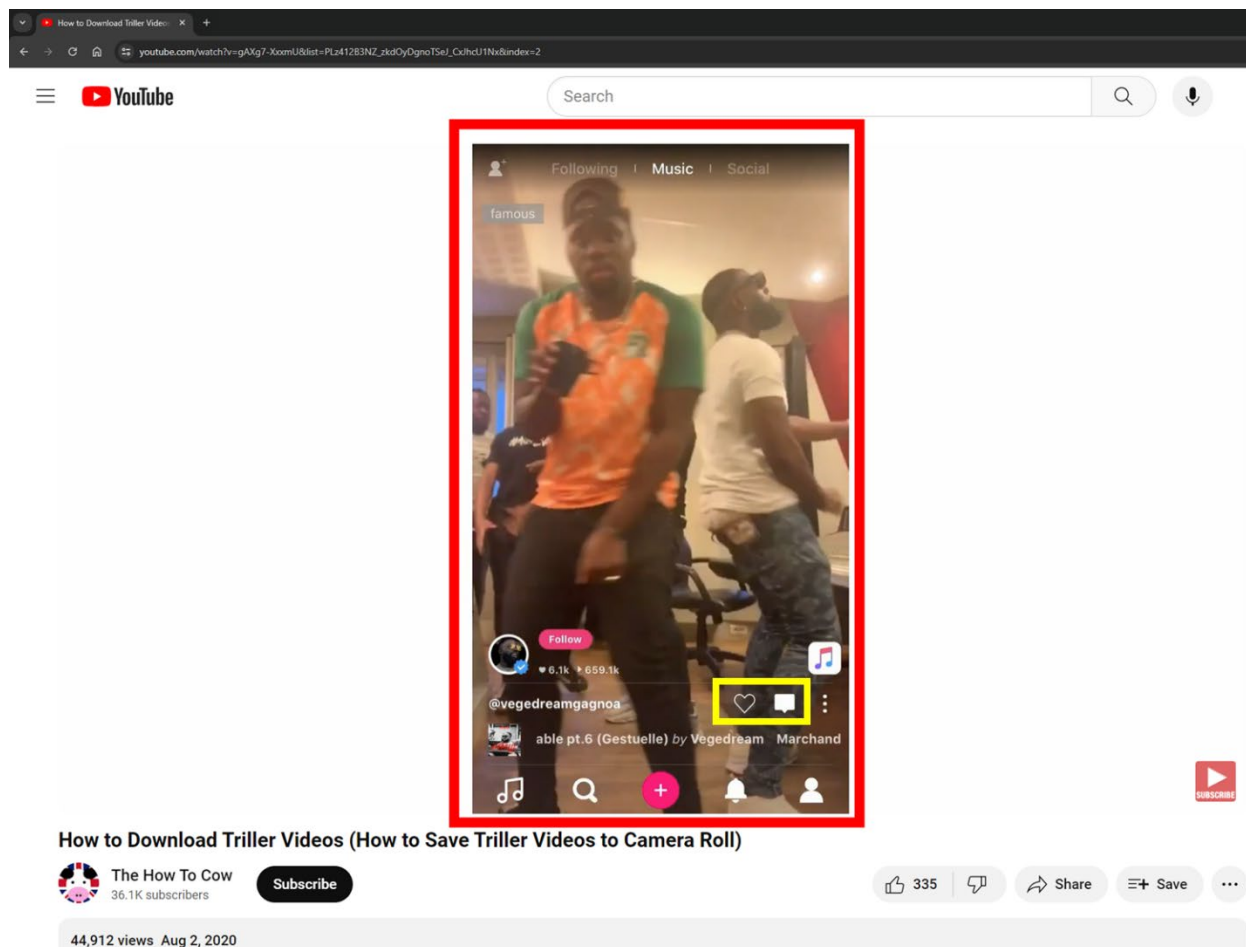


(E.g., https://www.youtube.com/watch?v=gAXg7-XxmU&list=PLz412B3NZ_zkdOyDgnoTSeJ_CxJhcU1Nx&index=2).

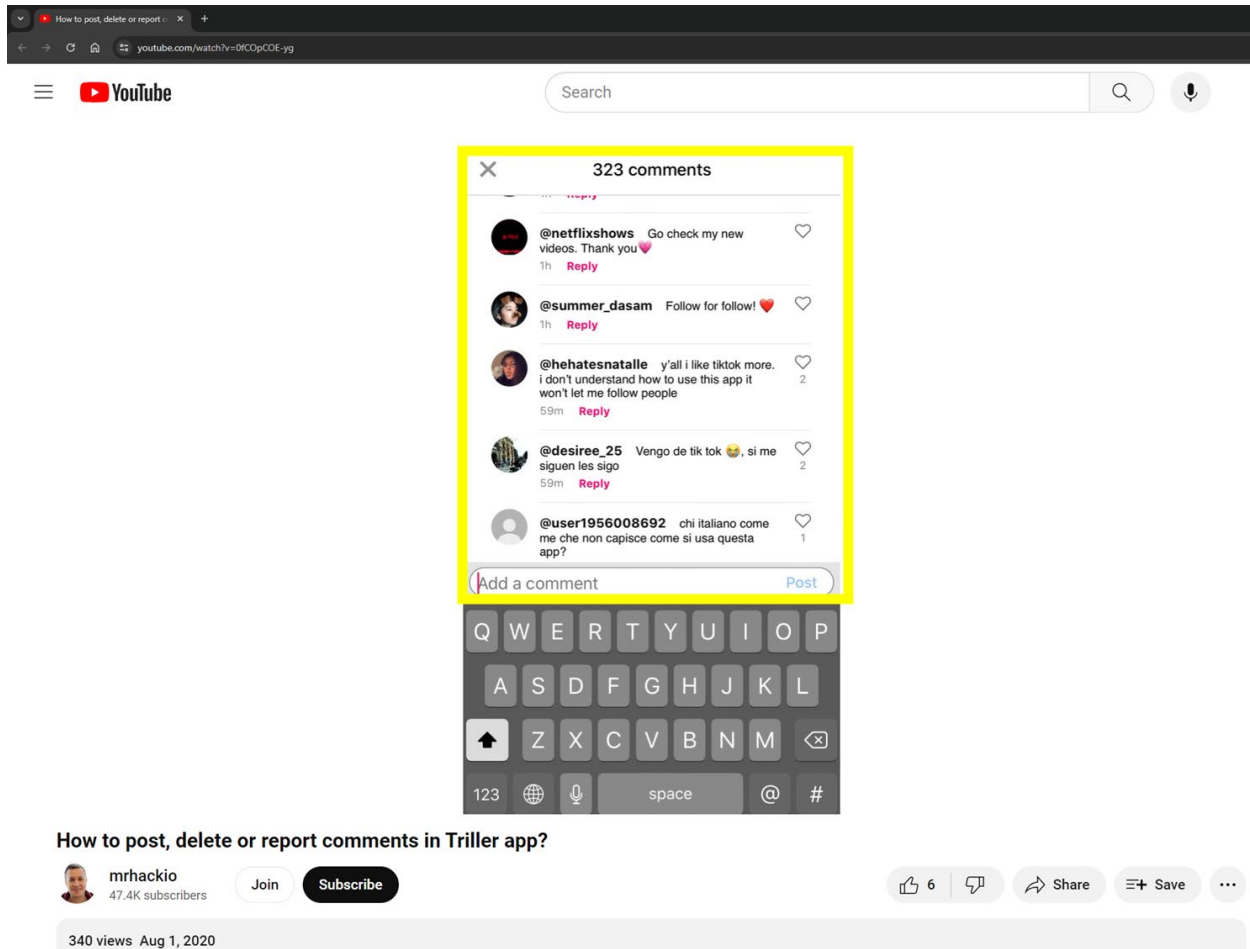


(E.g., https://www.youtube.com/watch?v=rpMH-XCdFWM&list=PLz412B3NZ_zkdOyDgnoTSeJ_CxJhcU1Nx&index=5).

29. The Accused Instrumentality employs an electronic voting subsystem, necessarily having one or more data processing apparatus in order to track voting or electronic rating, configured to enable a user to electronically vote for or rate (e.g., by the user's choices with respect to a selection of a Heart Icon or a comment in the form of textual content) an electronically available multimedia content (e.g., a multimedia profile provided by a submitter, with accompanying photo and/or textual content, or associated multimedia posts with video, photo and/or textual content). Triller uses function-specific subsystems, for example as discussed below.



(E.g., https://www.youtube.com/watch?v=gAXg7-XxxmU&list=PLz412B3NZ_zkdOyDgnoTSeJ_CxJhcU1Nx&index=2).



(E.g., <https://www.youtube.com/watch?v=0fCOpCOE-yg>).

30. Plaintiff has been damaged as a result of Defendant's infringing conduct. Defendant is thus liable to Plaintiff for damages in an amount that adequately compensates Plaintiff for such Defendant's infringement of the '480 Patent, *i.e.*, in an amount that by law cannot be less than would constitute a reasonable royalty for the use of the patented technology, together with interest and costs as fixed by this Court under 35 U.S.C. § 284.

31. To the extent marking is required, VCA has complied with all marking requirements.

IV. COUNT II **(PATENT INFRINGEMENT OF UNITED STATES PATENT NO. 9,477,665)**

32. Plaintiff incorporates the above paragraphs herein by reference.

33. On October 25, 2016, United States Patent No. 9,477,665 (“the ‘665 Patent”) was duly and legally issued by the United States Patent and Trademark Office. The ‘665 Patent is titled “Revenue-Generating Electronic Multi-Media Exchange and Process of Operating Same.” A true and correct copy of the ‘665 Patent is attached hereto as Exhibit B and incorporated herein by reference.

34. VCA is the assignee of all right, title, and interest in the ‘665 Patent, including all rights to enforce and prosecute actions for infringement and to collect damages for all relevant times against infringers of the ‘665 Patent. Accordingly, VCA possesses the exclusive right and standing to prosecute the present action for infringement of the ‘665 Patent by Defendant.

35. The application leading to the ‘665 patent was filed November 16, 2012, which was a continuation of application no. 11/978,781, which issued as United States Patent No. 8,340,994, which was a continuation of application no. 09/565,438 which issued as United States Patent No. 7,308,413. (Ex. B at cover). The ‘665 patent was first assigned to Virtual Creative Artists, LLC. (*Id.*).

36. The ‘665 Patent shares the identical specification as the ‘480 patent and therefore VCA incorporates the background and discussion of the invention in Paragraphs 11-18. Furthermore claim 1 involves a system for generating multimedia content. The claim requires, among other things, electronically generating a multimedia file from the retrieved electronic media Submissions in accordance with a selected digital format, wherein the identification of the submitter is maintained with each retrieved submission within the multimedia file. The claim requires electronically transmitting the multimedia file to a plurality of publicly accessible web servers to be electronically available for viewing on one or more user devices over a public network via a web-browser and. This allows electronically transmit data indicating votes or rating

of multimedia content in a much quicker and easier fashion based on specific user criteria. There is nothing abstract about this very particular, unconventional, and non-routine system for the generation of multimedia content as specifically claimed and there is no risk of preempting creating and distribution contention generally, or even within the context of the Internet.

37. The invention is a highly technical electronic process that cannot be achieved with the human mind and is instead rooted in computer technology, including the steps of:

- “electronically retrieving a plurality of electronic media submissions,”
- “electronically generating a multimedia file from the retrieved electronic media submissions in accordance with a selected digital format,”
- “electronically transmitting the multimedia file to a plurality of publicly accessible web servers to be electronically available for viewing on one or more user devices over a public network via a web-browser,” and
- “providing a web-based graphical user interface that enables a user to electronically transmit data indicating a vote or rating for an electronically available multimedia content or an electronic media Submission within a respective electronically available multimedia content.”

38. Each of these subsystems are configured in a very specific (and not generic, unconventional and non-routine manner to offer the novel and non-obvious approach claimed invention. For example, claim 1 requires an “electronic media submissions database,” which is a subsystem that receives media submissions from Internet users. This is not a generic database but rather a scalable database that must be able to receive, store, and manage multiple petabytes of multimedia data received from users all over the world. This is one of the many specialized databased required in the claim. In fact, the specification discloses the use of a sophisticated database management system known in the art at the time that was capable of handling data at this level, Oracle7. This type of database management system cannot operate on a generic computing system but rather requires specialized hardware and software.

39. The claim also provides details to explain how each step operates. For example, the claim requires “electronically retrieving a plurality of electronic media submissions from an electronic media submissions database using an electronic content filter located on one or more data processing apparatus.” Further, “the electronic media submissions database” in this step is further required to “store[] [1] data identifying the submitter and [2] data indicating content for each electronic media submission.” The step further requires and “electronic content filter.” The “filter” also includes a very specific algorithm of “being based at least in part on at least one of the one or more user attributes.”

40. The claim also requires an “electronically generating a multimedia file from the retrieved electronic media submissions in accordance with a selected digital format.” Manipulation of multimedia data in accordance with a selected digital format is far from generic and was not routine or conventional at the time of the invention. Further, this step requires that the “electronic media submissions database” “stores data identifying the submitter” and the “the identification of the submitter is maintained with each retrieved submission within the multimedia file.”

41. The claim also requires “providing a web-based graphical user interface that enables a user to electronically transmit data indicating a vote or rating for an electronically available multimedia content or an electronic media Submission within a respective electronically available multimedia content,” which is a well-defined, specific, and unconventional feature. By including this additional voting/rating feature, the claims avoid any risk of preempting the creation and distribution of content.

42. The claim also has inventive concepts. For example, the claim requires that the filtering tool be at a specific location, remote from the end-users, with customizable filtering features specific to each end user. The “electronic content filter” is located at the server, remote

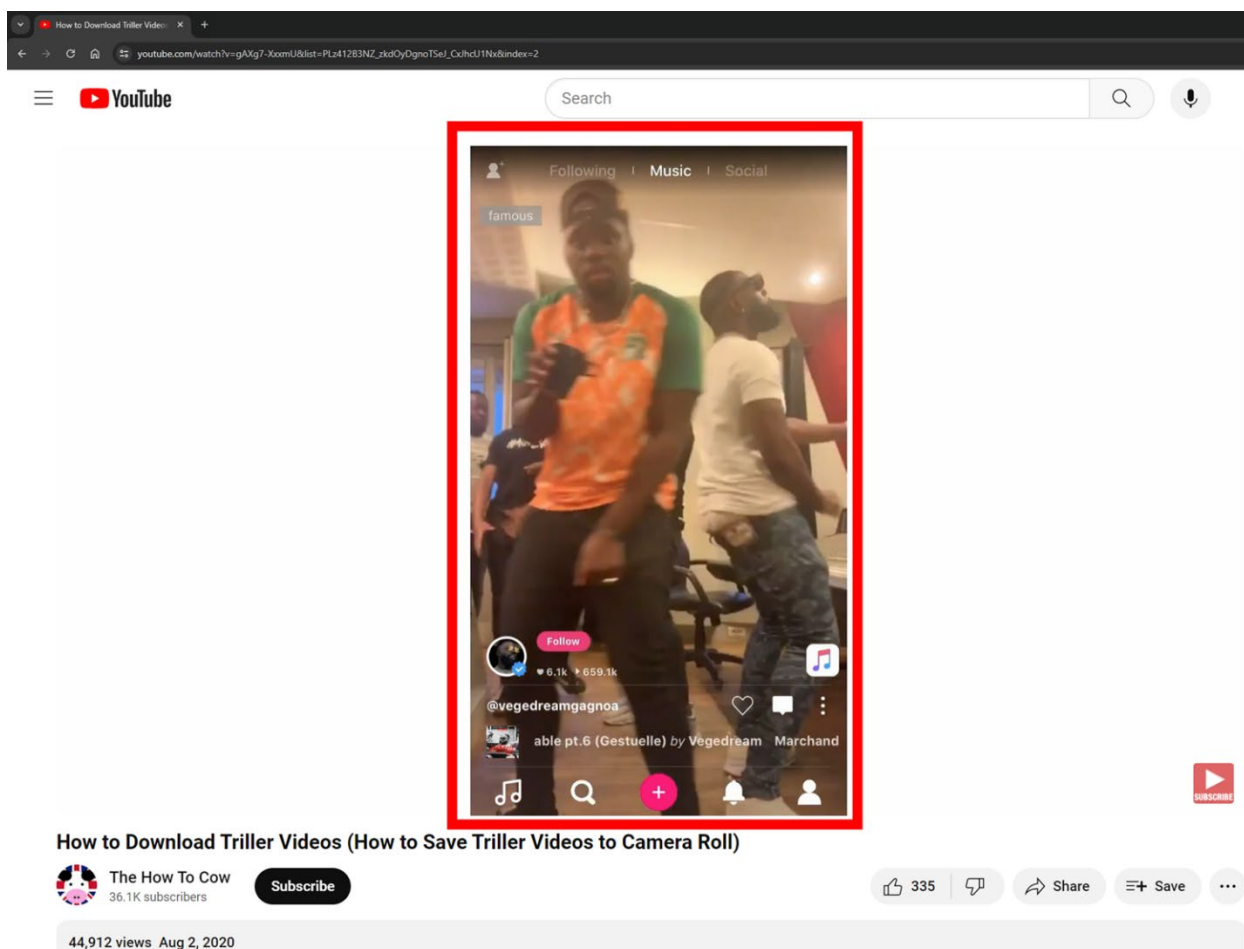
from the end user, and customizable based on user attributes. The “electron voting” step at the time of the invention was also novel, inventive, and added sufficient inventive contributions to avoid a risk of preempting the creation and distribution of media content. It is clearly possible to create and distribute media content without ever having to include a “voting” subsystem on what components should be included in such media content.

43. These arguments overcame a patent eligibility rejection under 35 U.S.C. §101 of the claim at issue during the prosecution of the ‘665 patent before the United States Patent and Trademark Office.

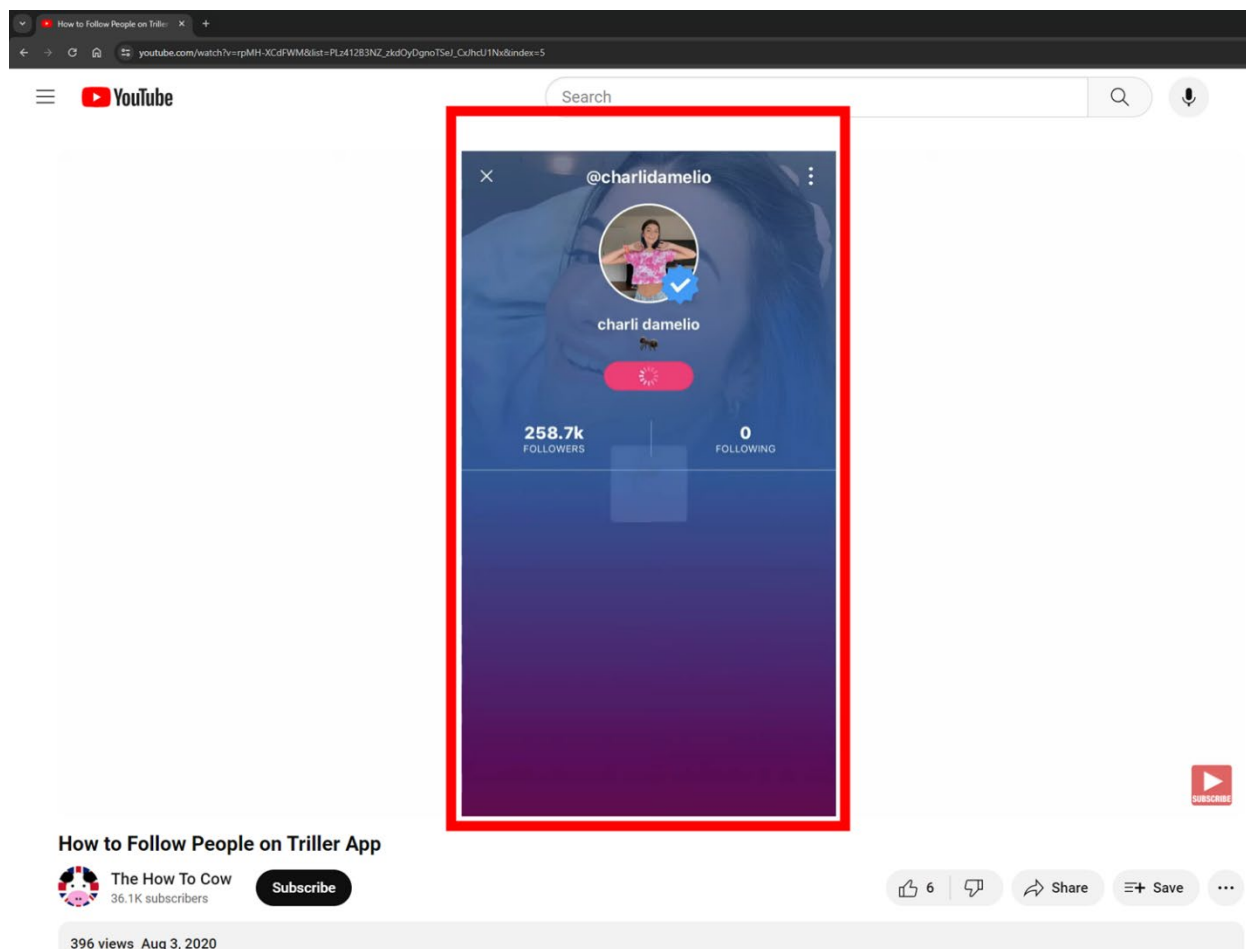
44. **Direct Infringement.** Upon information and belief, Defendant has been directly infringing claim 1 of the ‘665 Patent in New York, and elsewhere in the United States, by employing a computer-based system using <https://Triller.com/> (“Accused Instrumentality”) (*e.g.*, <https://Triller.com/>).

45. Triller uses a computer-based system for its Accused Instrumentality, to enable users (submitters) to create personalized user profiles and share multimedia content (*e.g.*, video content, photo content, and/or textual content). The profiles include multimedia content including image and textual content (*e.g.* a submitter’s profile picture, background photo, and a caption) which may be shown to other users based on, *inter alia*, user preferences and attributes. Public posts containing multimedia content submitted by submitters may also appear on a live feed of other users. This system makes use of one or more data processing apparatus, and a computer readable medium coupled to the one or more data processing apparatus having instructions stored thereon which, when executed by the one or more data processing apparatus, cause the one or more data processing apparatus to perform an electronic method comprising the functions as further discussed below. Triller, during the relevant time period, took advantage of multiple cloud server

providers for Accused Instrumentality, as discussed above, as well as scalability within its cloud server providers, employing separate server subsystems for all its meaningfully different functions. Triller uses, and has used during the relevant time period, numerous different networks and providers for, *inter alia*, content management systems, web servers, web hosting, data centers, proxy certificates, SSL certificates, traffic analysis, advertising, and tagging, thereby using separate server subsystems for all its meaningfully different functions, such as those indicated below.



(E.g., https://www.youtube.com/watch?v=gAXg7-XxxmU&list=PLz412B3NZ_zkdOyDgnoTSeJ_CxJhcU1Nx&index=2).



(E.g., https://www.youtube.com/watch?v=rpMH-XCdFWM&list=PLz412B3NZ_zkdOyDgnoTSeJ_CxJhcU1Nx&index=5).

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Site Info - Triller.co

Overview of web technologies used by Triller.co.

Website Background	
Description on Homepage	Home Triller
Popularity rank	Top 1m among all websites

Website Quality Alerts	
Incorrect server time	Found on page http://triller.co/ At our the last visit we found the server time to be approximately 13 minutes slow.
Are you the webmaster of this site? Register as user to get quality alerts per email.	

Content Management Systems	
WordPress used on a subdomain	WordPress is an open source blog publishing and content management system, based on PHP and MySQL.
Elementor used on a subdomain	Elementor is a WordPress-based website builder.

Server-side Programming Language	
PHP used on a subdomain	PHP is a scripting language for creating websites.

Client-side Programming Language	
JavaScript	JavaScript is a lightweight, object-oriented, cross-platform scripting language, often used within web pages.

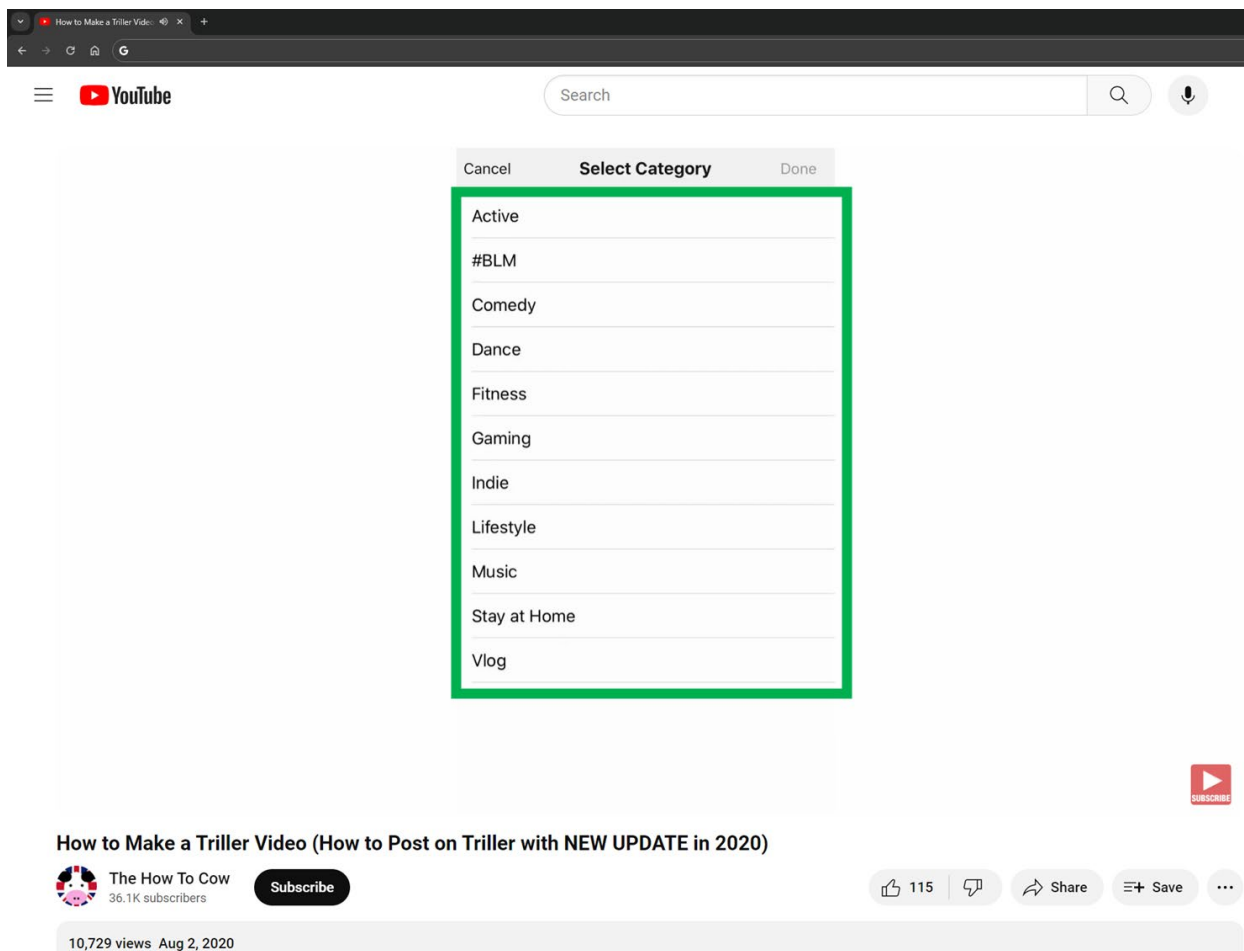
(E.g., <https://w3techs.com/sites/info/Triller.co>).

JavaScript Library	
jQuery 3.7.1 version 3.7.0 used until recently 0% of sites use a newer version used on a subdomain	jQuery is a JavaScript library that simplifies HTML document traversing, event handling, animating and Ajax interaction. Originally developed by John Resig.
Web Servers	
Nginx used on a subdomain	Nginx (pronounced as "engine X") is a lightweight open source web server developed by Igor Sysoev.
Cloudflare Server used on a subdomain	Cloudflare Server is a web server developed by Cloudflare.

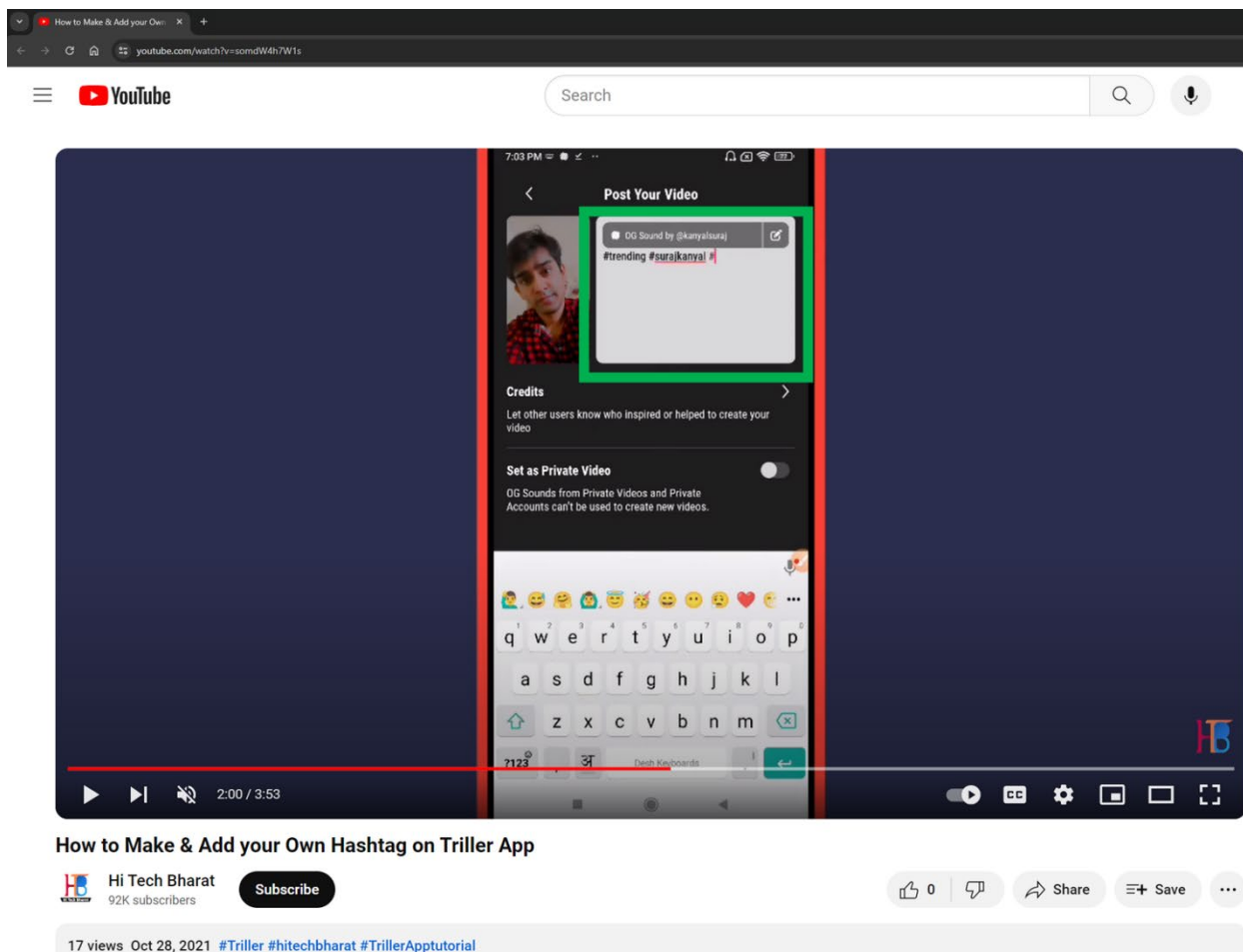
(E.g., <https://w3techs.com/sites/info/Triller.co>)

46. The Accused Instrumentality electronically retrieves a plurality of electronic media submissions from an electronic media submissions database on a non-transitory medium, for example multimedia content pertaining to building a user profile on Accused Instrumentality, as

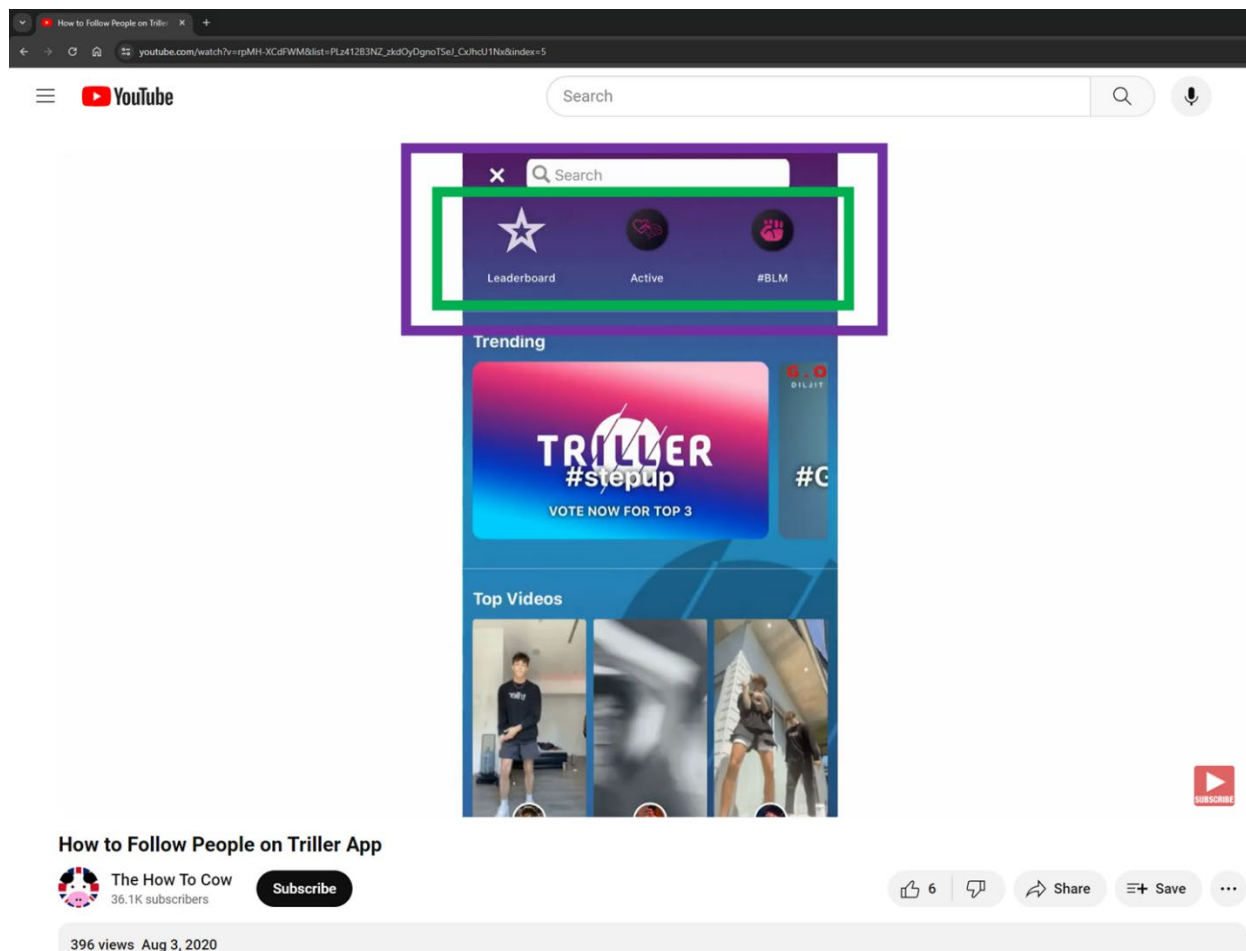
well as multimedia content to be displayed on the user's profile or live feed, as discussed and shown above in connection with the above discussion. Individual users can sign up and create an account on Triller's Accused Instrumentality, which is stored on a user database. Such user database is stored in memory available through Accused Instrumentality, for example as discussed above. The user attributes of users who create a profile may include, *e.g.*, a user name, display name, categories selected by the user pertaining to a post, and hashtags included in captions for a post and the like as shown in the examples below. Triller's Accused Instrumentality's retrieval of electronic media (*e.g.*, user profiles and associated posts) on live feeds with associated photo content and textual content associated with the user-submitter from the electronic media submissions database uses an electronic content filter located on the one or more data processing apparatus. As can be seen below, such electronic content filter as is used by Triller is based at least in part on at least one of the one or more user attributes, (*e.g.*, based on, *inter alia*, a user name, display name, categories selected by the user pertaining to a post, and hashtags included in captions for a post) which in turn affect which electronic media submissions, *e.g.*, profiles and associated media, appear to the user as shown and discussed for example below. Triller uses function-specific subsystems, for example as discussed below.



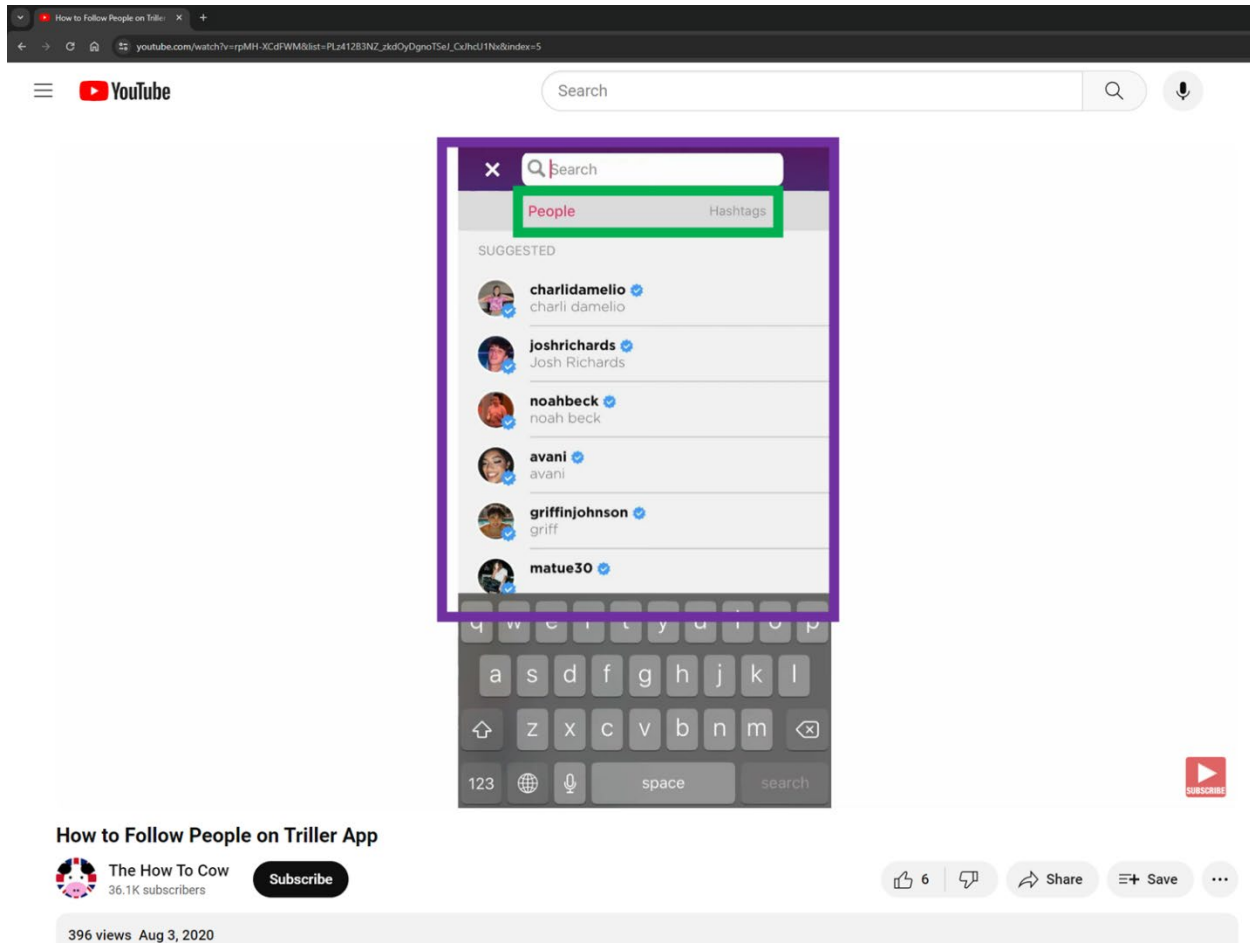
(E.g., https://www.youtube.com/watch?v=uHxkY1_2KVA&list=PLz412B3NZ_zkdOyDgnoTSeJ_CxJhcUINx).



(E.g., <https://www.youtube.com/watch?v=somdW4h7W1s>).



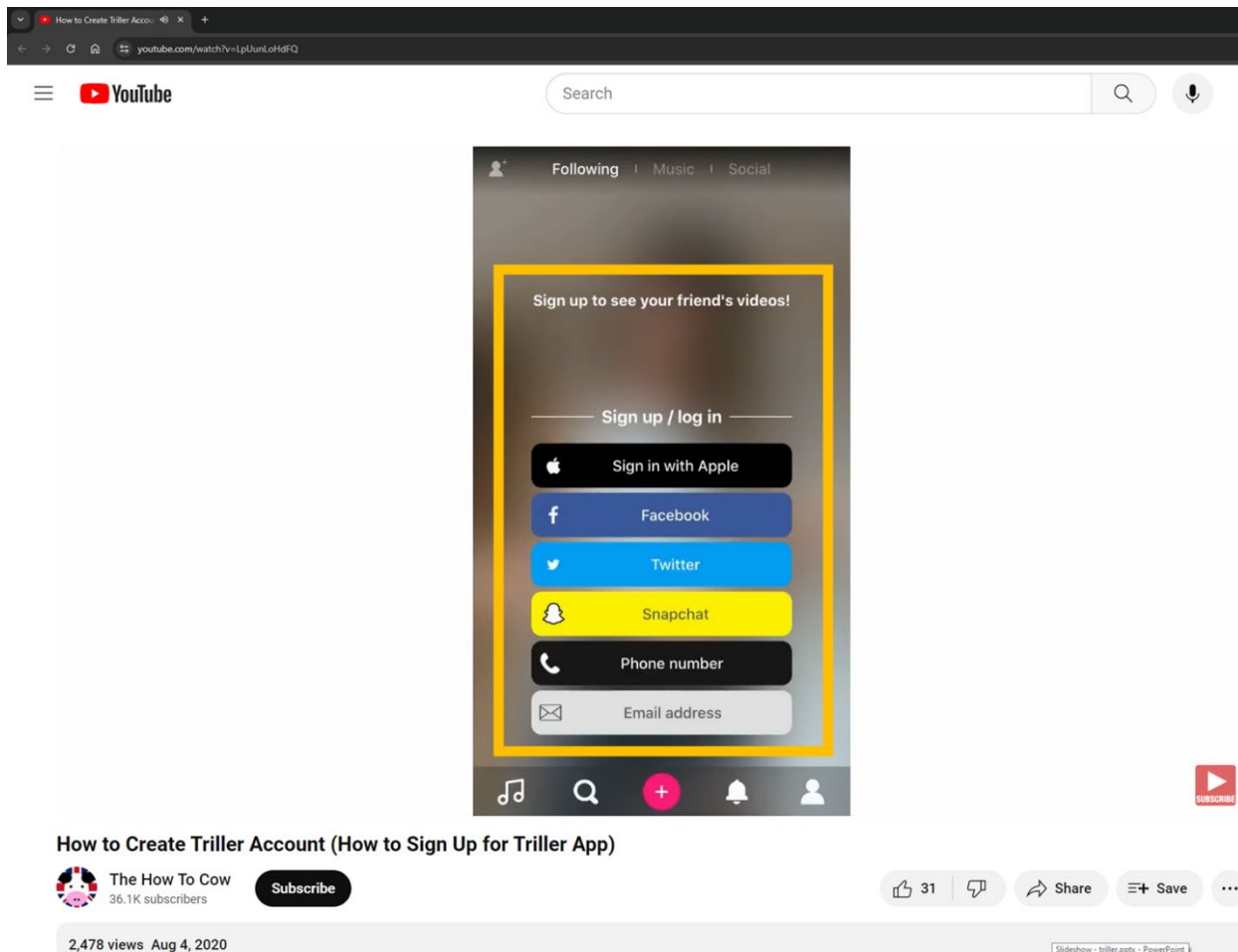
(E.g., https://www.youtube.com/watch?v=rpMH-XCdFWM&list=PLz412B3NZ_zkdOyDgnoTS_eJ_CxJhcU1Nx&index=5).



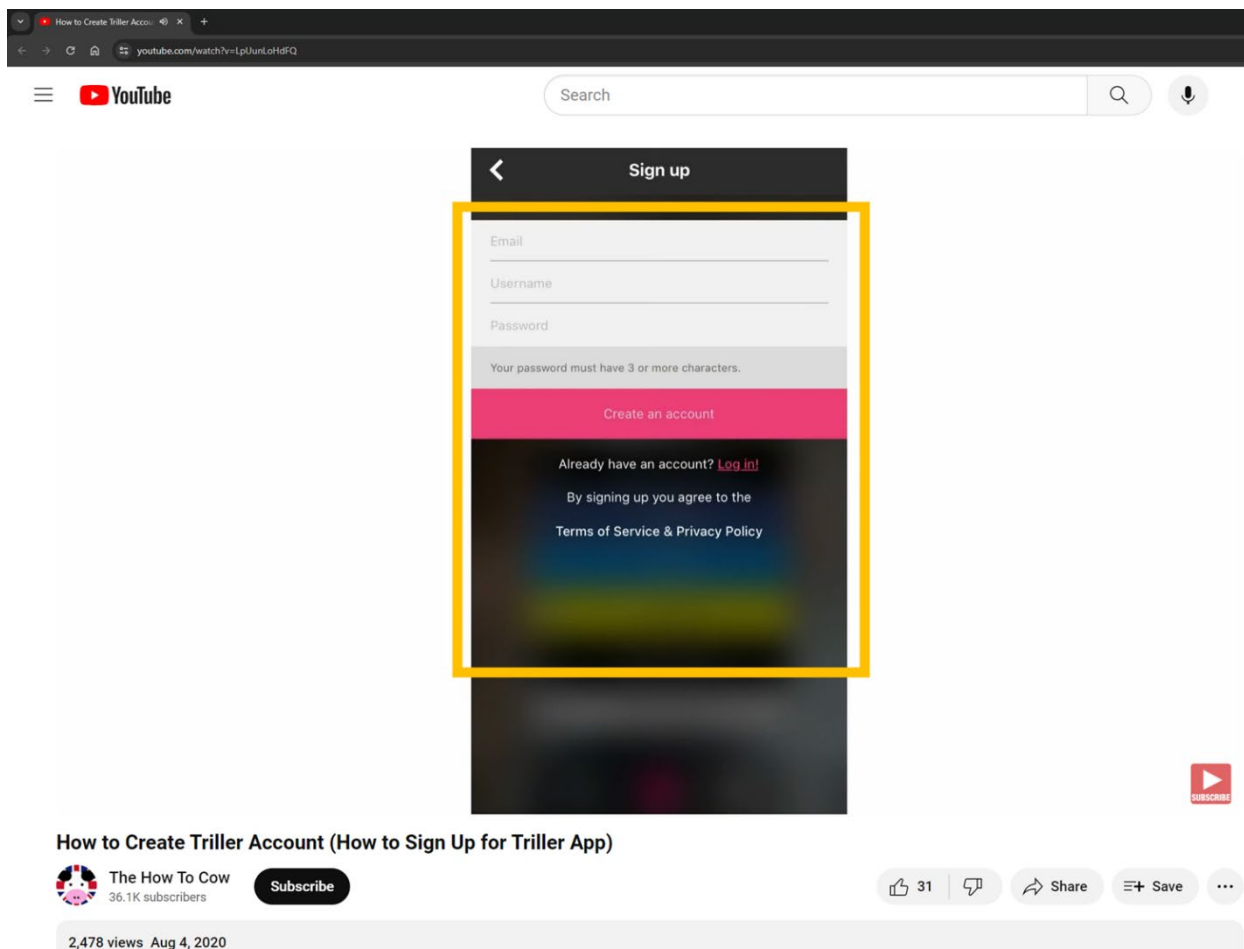
(E.g., https://www.youtube.com/watch?v=rpMH-XCdFWM&list=PLz412B3NZ_zkdOyDgnoTS_eJ_CxJhcU1Nx&index=5).

47. The Accused Instrumentality includes an electronic media submissions server subsystem, having one or more data processing apparatus and an electronic media submissions database stored on a non-transitory medium in order to process and store received submissions from a plurality of users (submitters), for example, content pertaining to their respective user profiles on the Accused Instrumentality, as well as multimedia content to be displayed on one or both of the user's profile and the live feed, as discussed and shown for example in connection with the above discussion. The submissions pertaining to building a user profile and to posting on the live feed may include, *e.g.*, photo, video, and/or textual content. The submissions are provided to

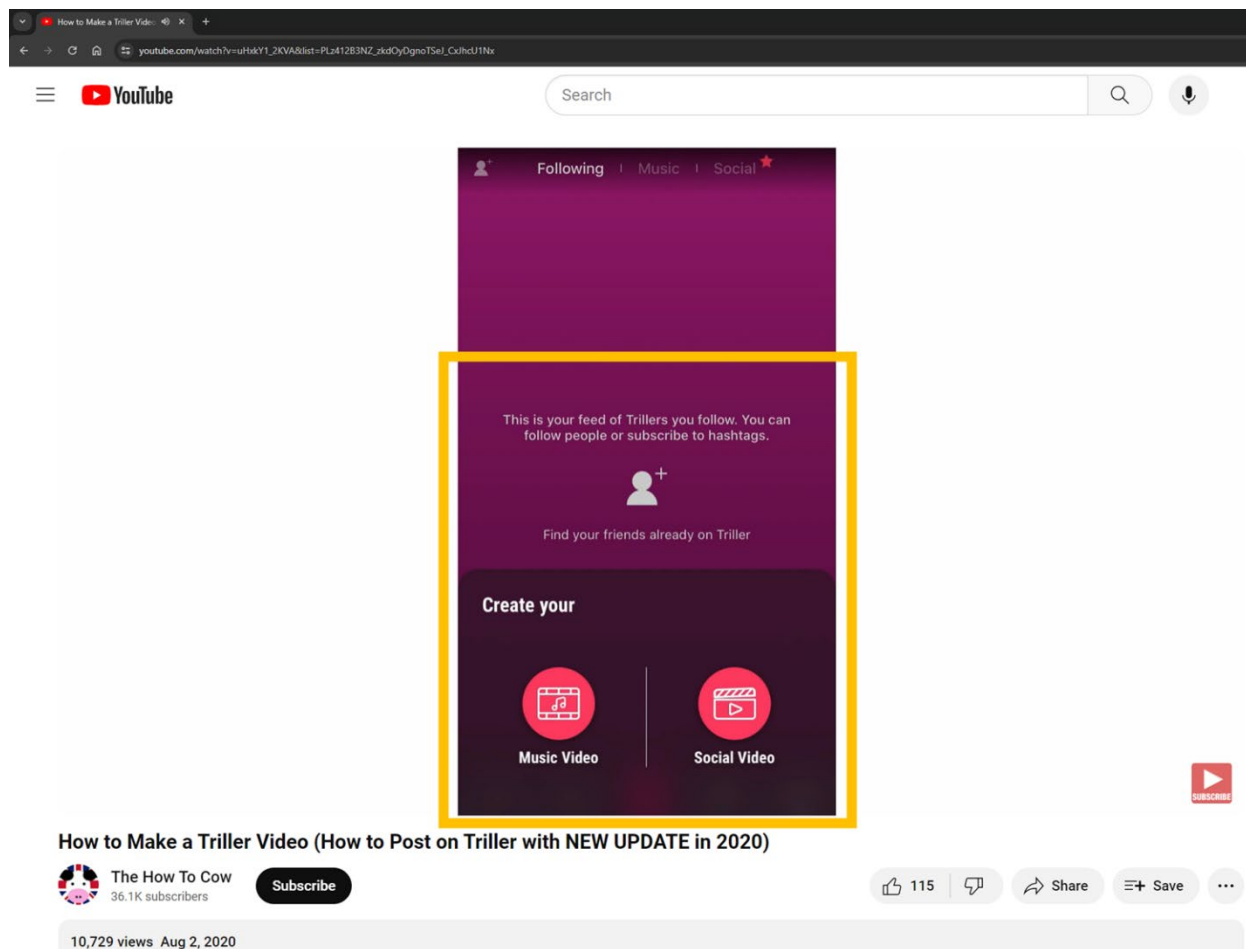
the Accused Instrumentality via a submissions electronic interface, *e.g.*, a web-based content portal, accessible for example by logging in and selecting options to upload such content or import content, configured to receive such electronic media, from a plurality of submitters (*e.g.*, users) over a public network (*e.g.*, the Internet) and stored, via an uploading process, in said electronic media submissions database for use in distribution to other users of the Accused Instrumentality.



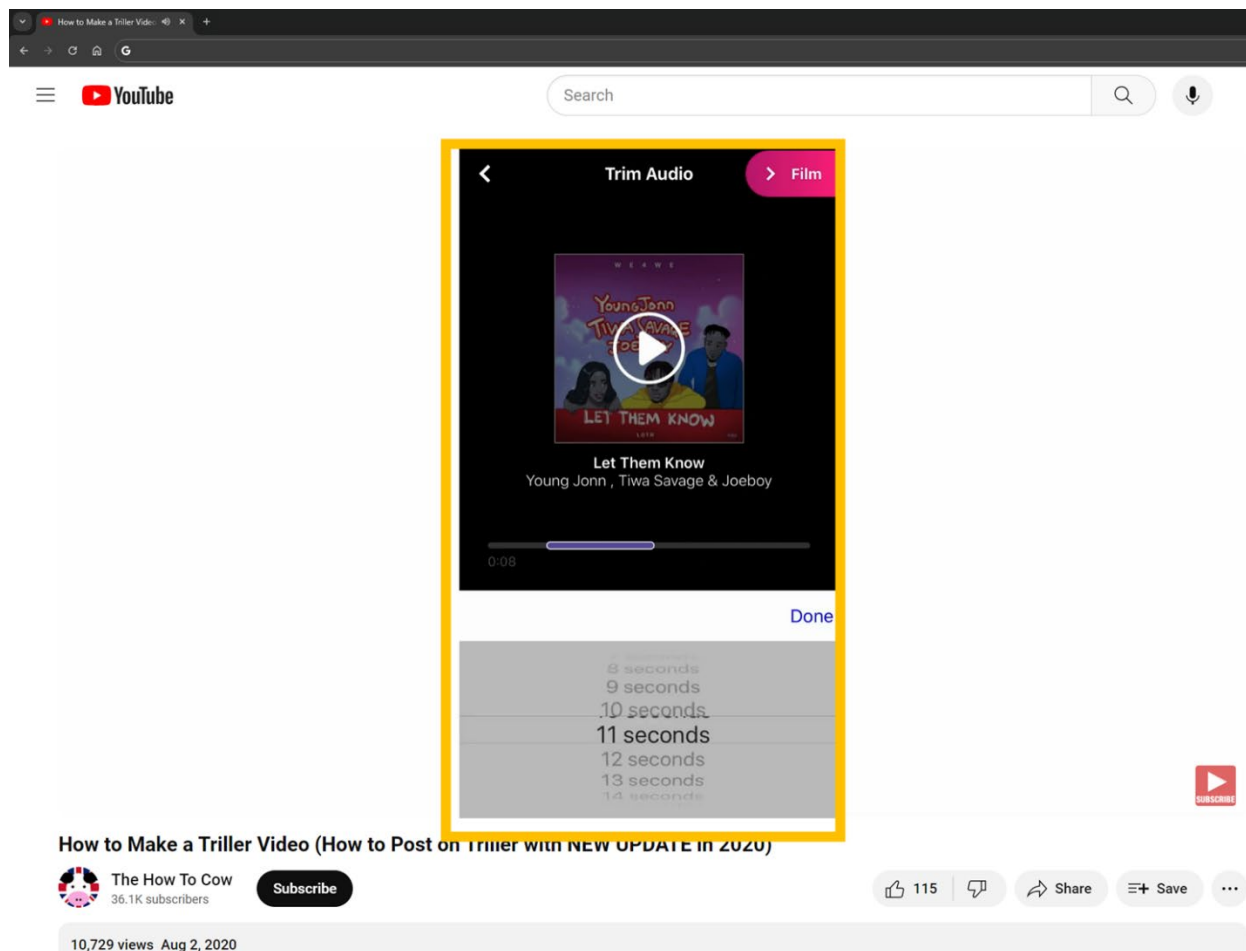
(*E.g.*, <https://www.youtube.com/watch?v=LpUunLoHdFQ>).



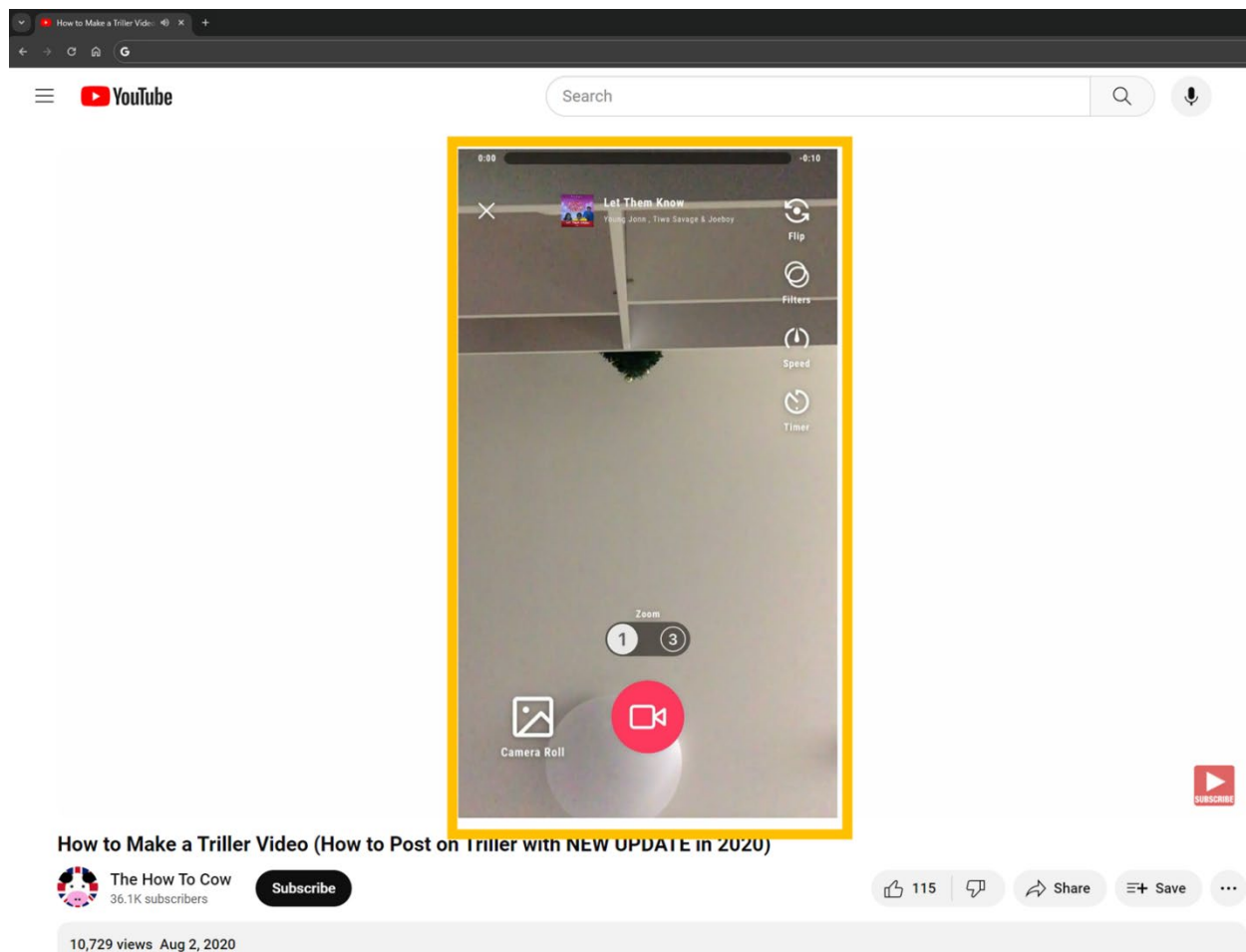
(E.g., <https://www.youtube.com/watch?v=LpUunLoHdFQ>).



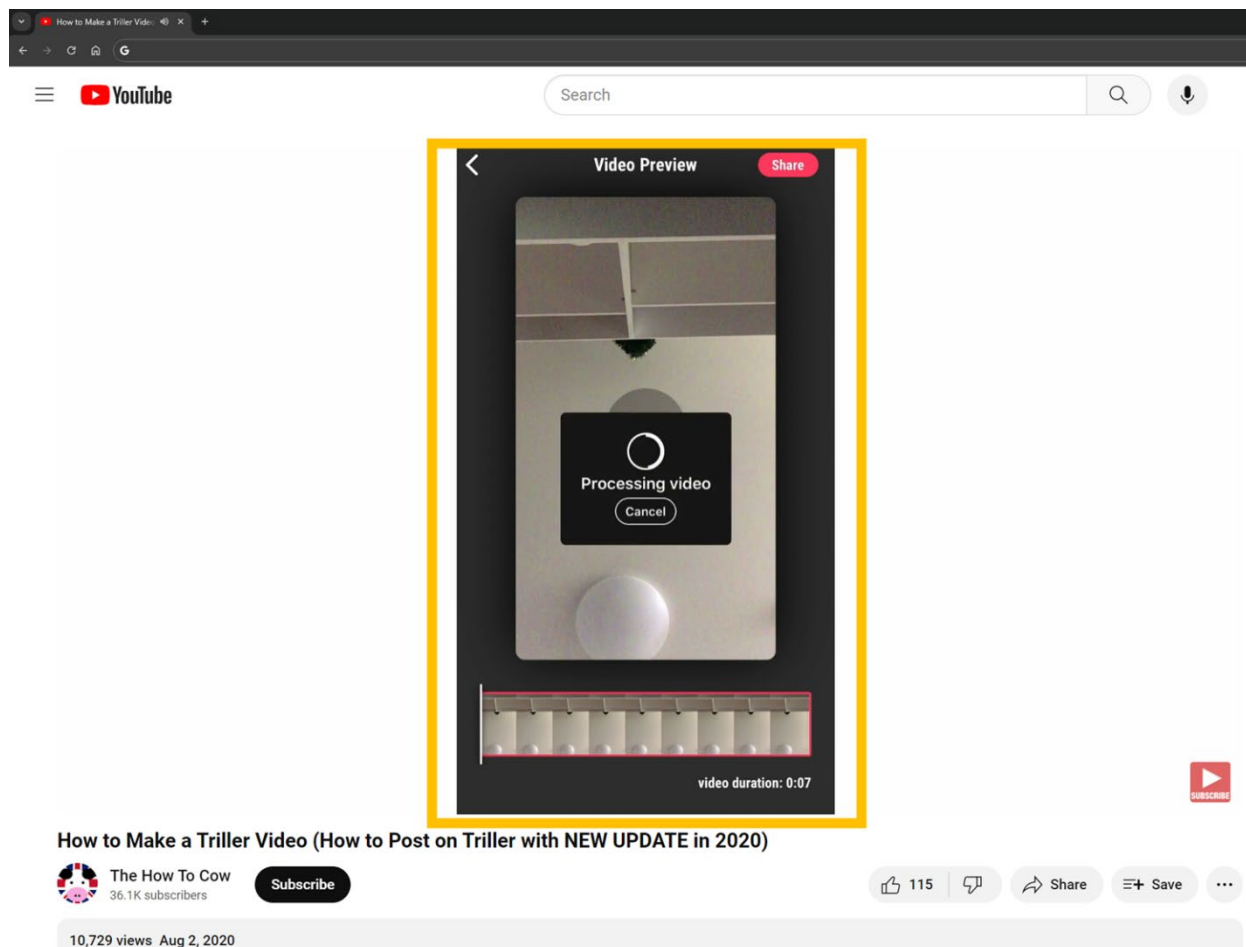
(E.g., https://www.youtube.com/watch?v=uHxkY1_2KVA&list=PLz412B3NZ_zkdOyDgnoTSeJ_CxJhcUINx).



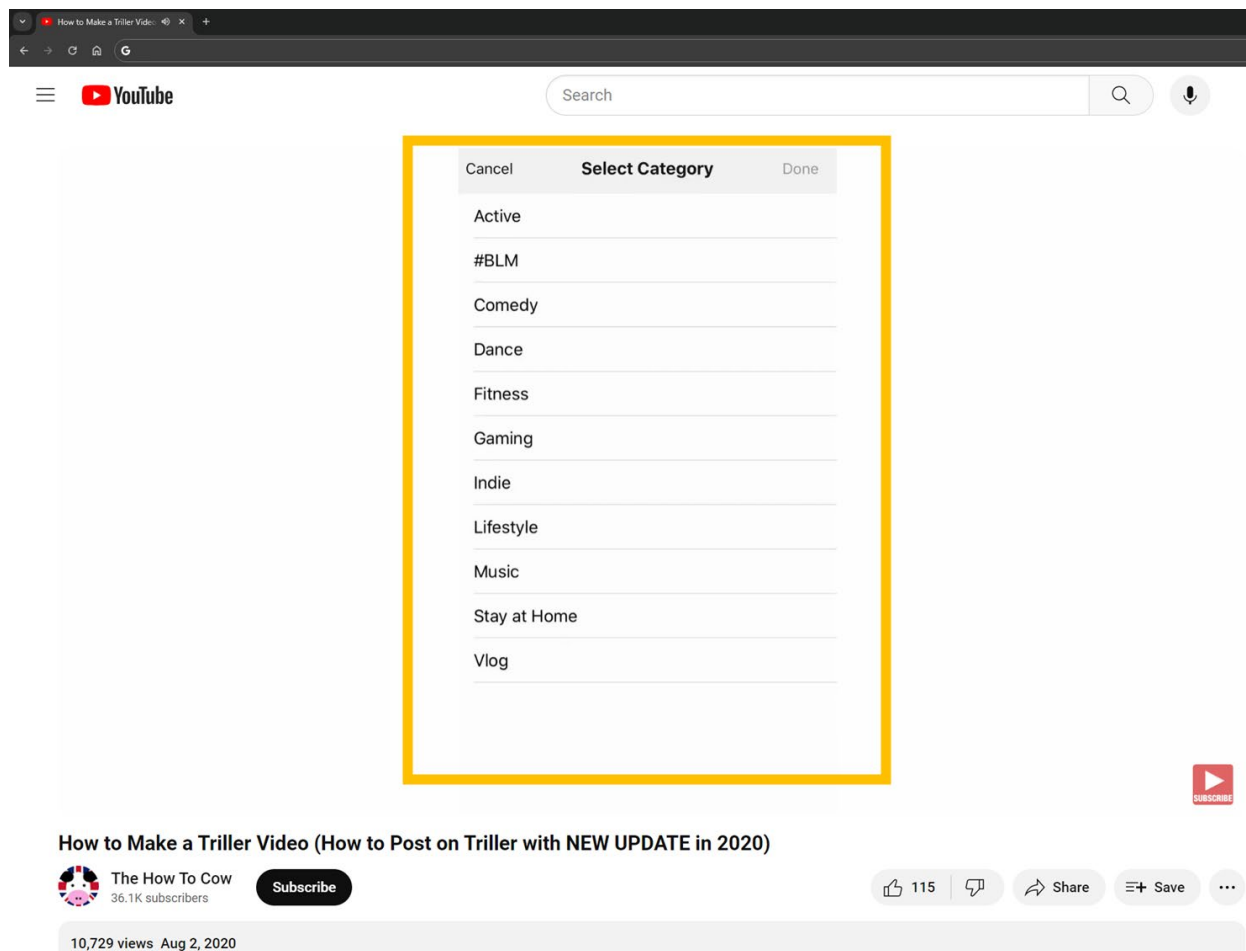
(E.g., https://www.youtube.com/watch?v=uHxkY1_2KVA&list=PLz412B3NZ_zkdOyDgnoTSeJ_CxJhcUINx).



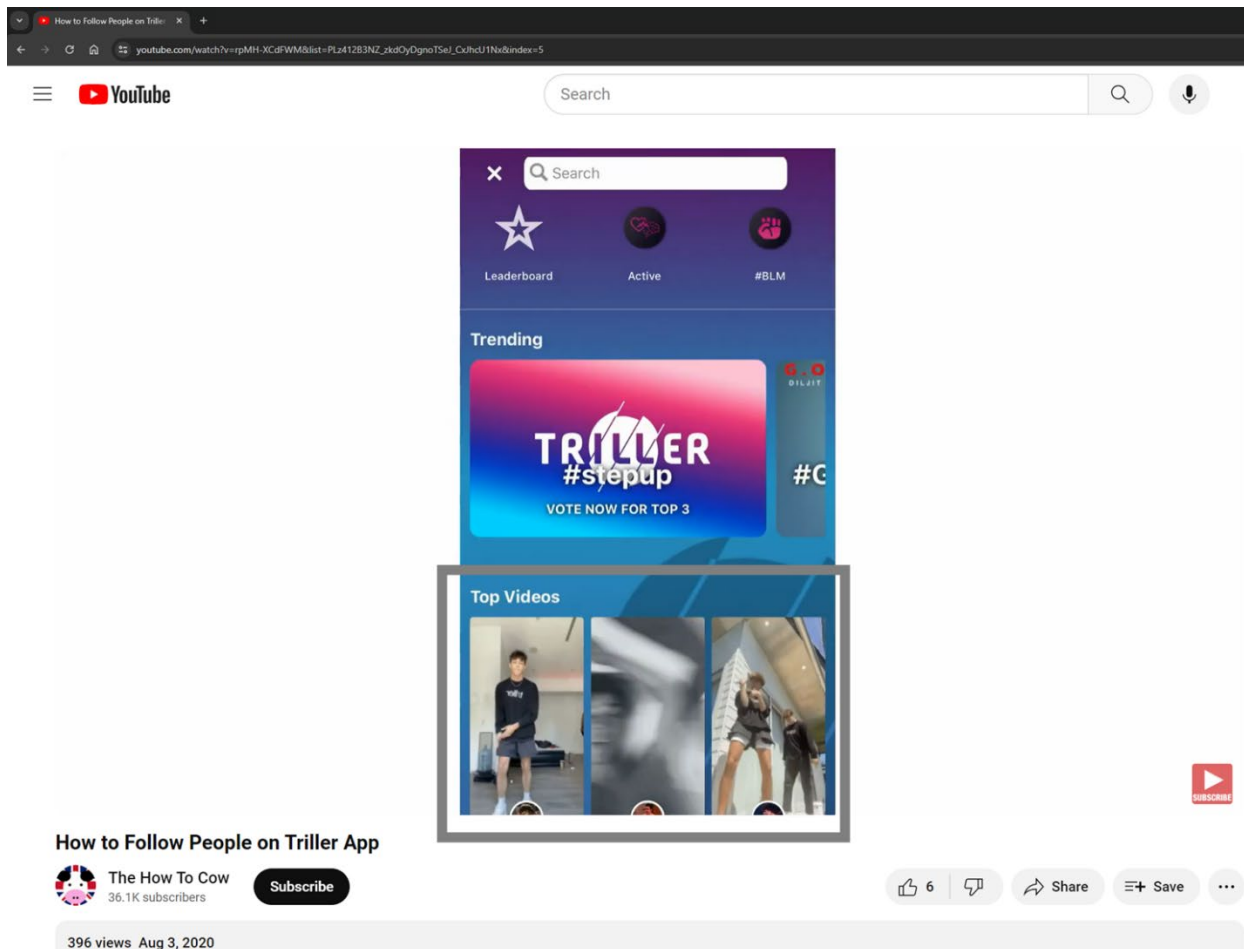
(E.g., https://www.youtube.com/watch?v=uHxkY1_2KVA&list=PLz412B3NZ_zkdOyDgnoTSeJ_CxJhcUINx).



(E.g., https://www.youtube.com/watch?v=uHxkY1_2KVA&list=PLz412B3NZ_zkdOyDgnoTSeJ_CxJhcUINx).

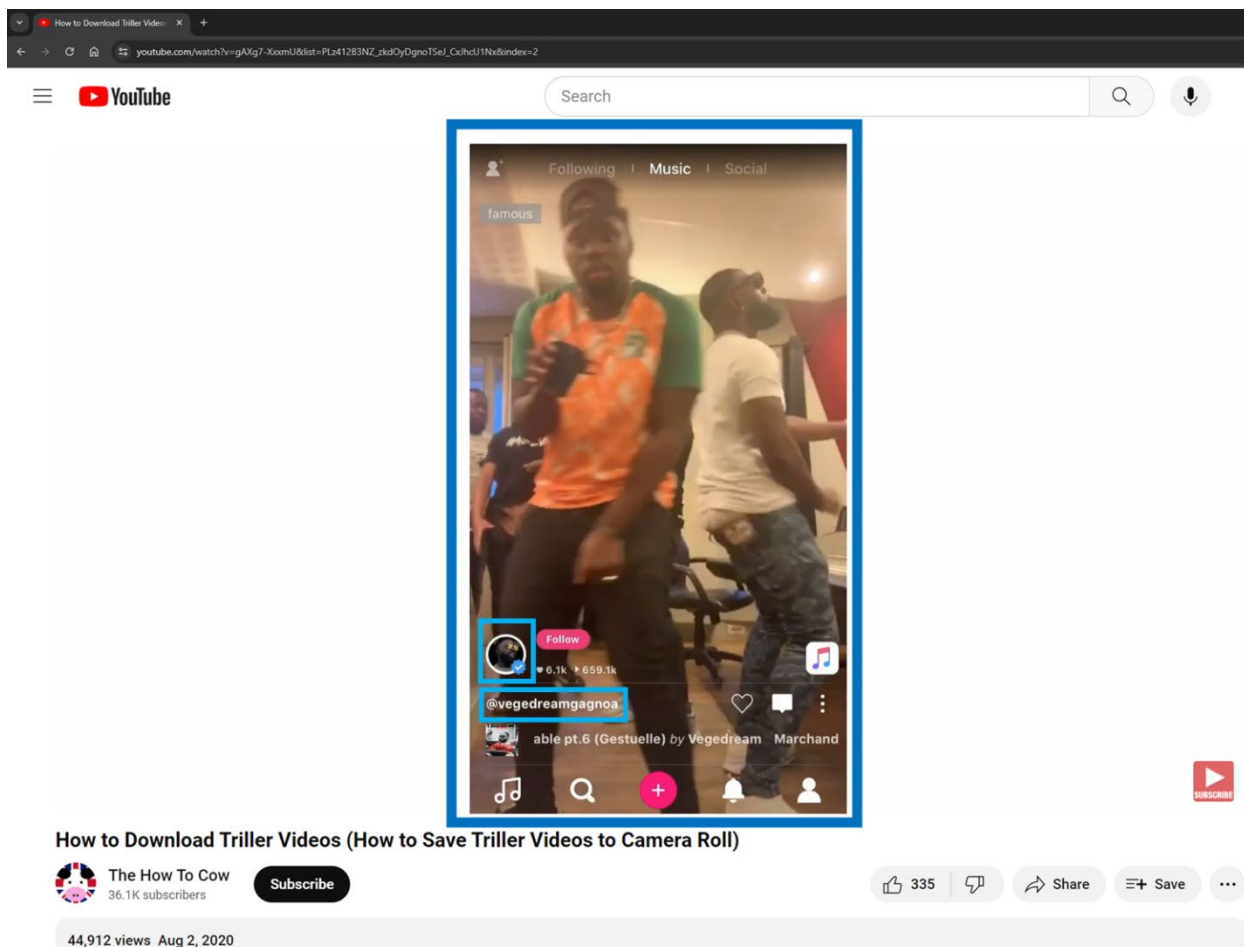


(E.g., https://www.youtube.com/watch?v=uHxkY1_2KVA&list=PLz412B3NZ_zkdOyDgnoTSeJ_CxJhcUINx).

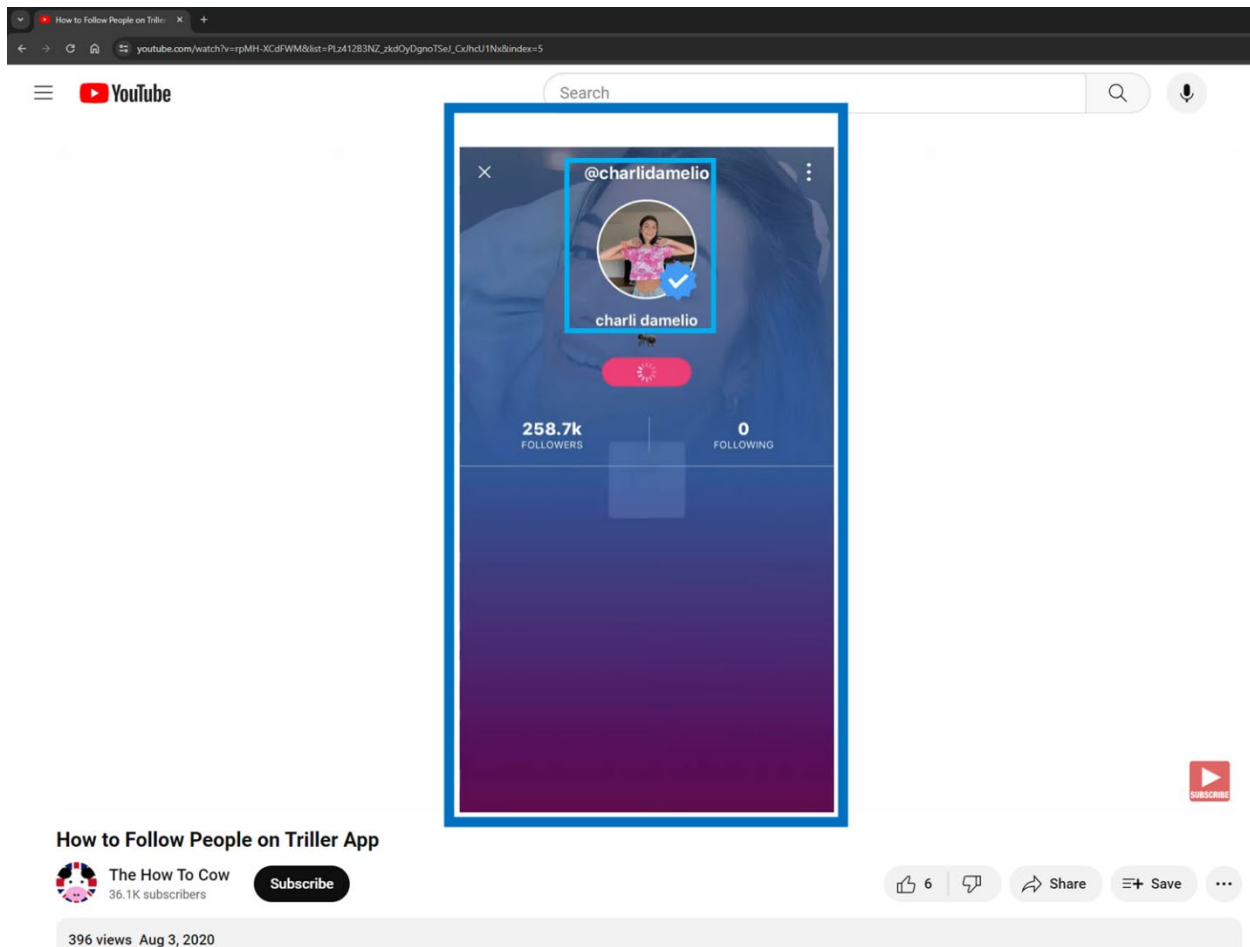


(E.g., https://www.youtube.com/watch?v=uHxkY1_2KVA&list=PLz412B3NZ_zkdOyDgnoTSeJ_CxJhcUINx).

48. The electronic media submissions database of the Accused Instrumentality used by Triller which stores the submissions further stores data identifying the submitter and data indicating content for each electronic media submission. As shown below, data identifying the user (submitter) includes, *e.g.*, a name, a profile address (indicated with an “@” symbol) and a profile photo. Data indicating content for each electronic media submission includes a photo, video and/or textual content.



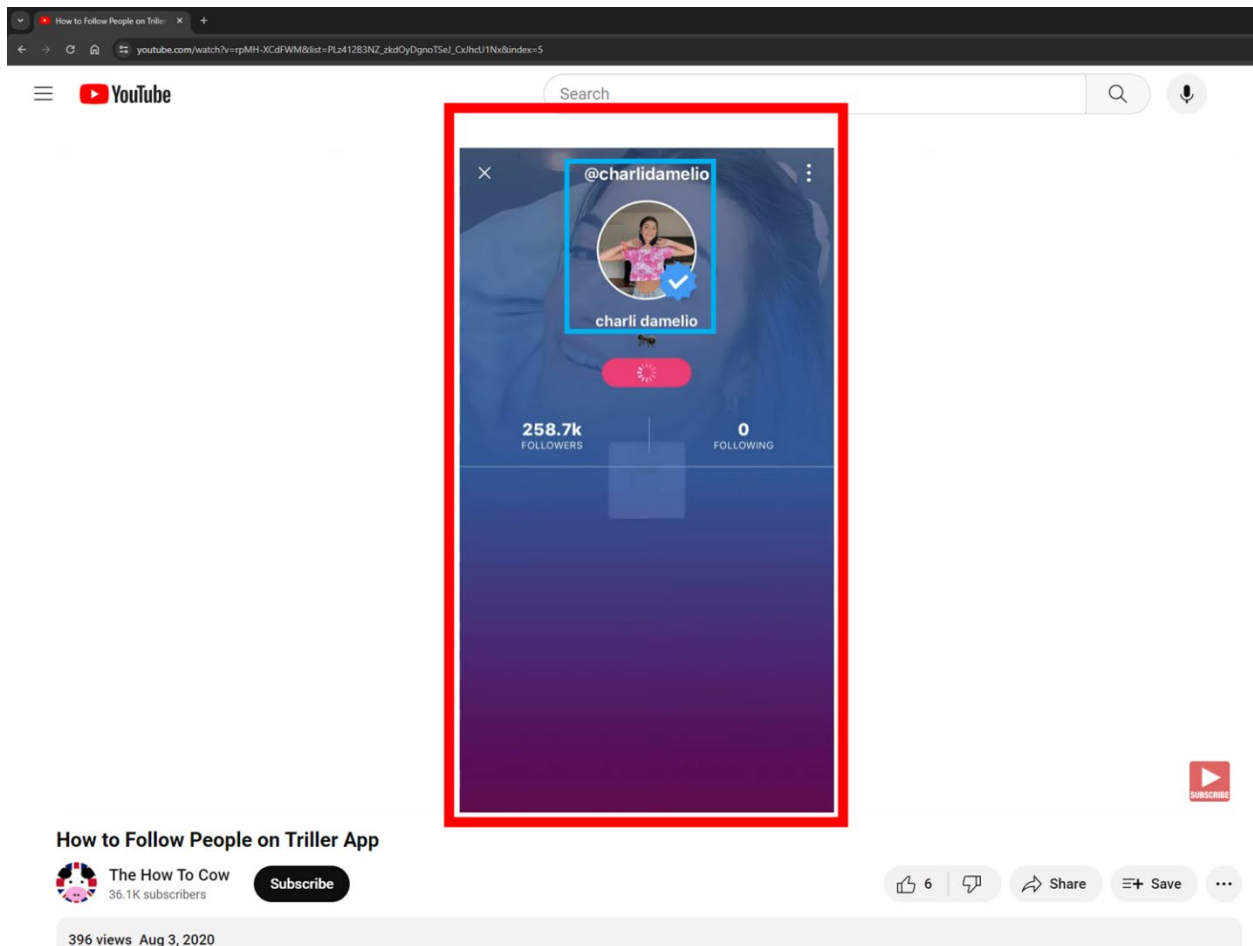
(E.g., https://www.youtube.com/watch?v=gAXg7-XxxmU&list=PLz412B3NZ_zkdOyDgnoTSeJ_CxJhcU1Nx&index=2).



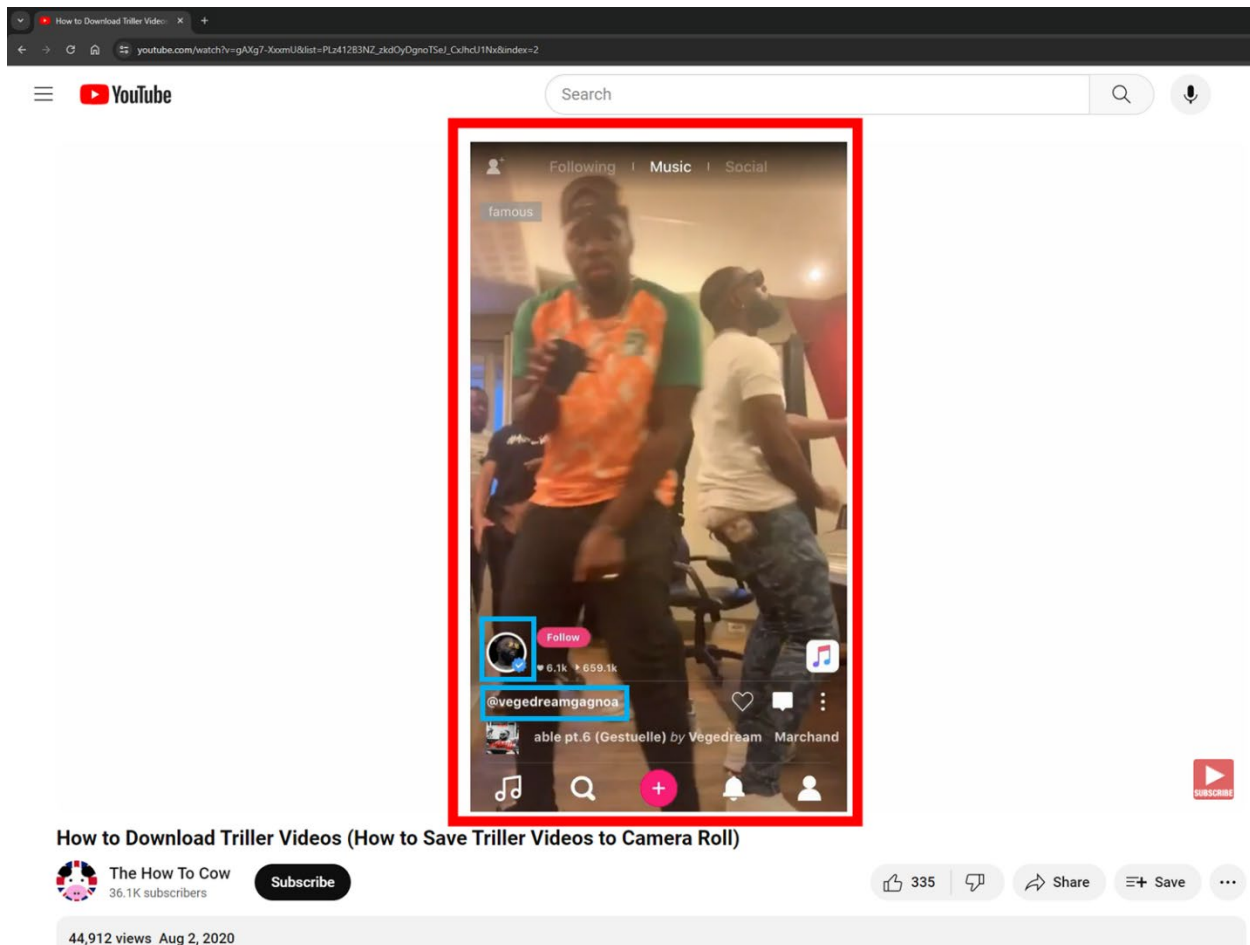
(E.g., https://www.youtube.com/watch?v=rpMH-XCdFWM&list=PLz412B3NZ_zkdOyDgnoTSeJ_CxJhcU1Nx&index=5).

49. The Accused Instrumentality electronically generates multimedia files from the retrieved electronic media submissions, in accordance with a selected digital format (e.g., a digital format compatible with a selected digital format compatible with the particular device such as a computer or smart phone incorporating one or more browsers or apps), and the identification of the submitter is maintained with each retrieved submission within the multimedia file. As shown below, data identifying the user (submitter) includes, e.g., a name and profile picture identifying the user and textual content. For example, below are examples of such multimedia files being displayed within a user's browser or app, on a user device, where the identification of the submitter

(e.g., a user's name and profile picture) is maintained with each selected and retrieved submission within the multimedia file, for example as shown below.



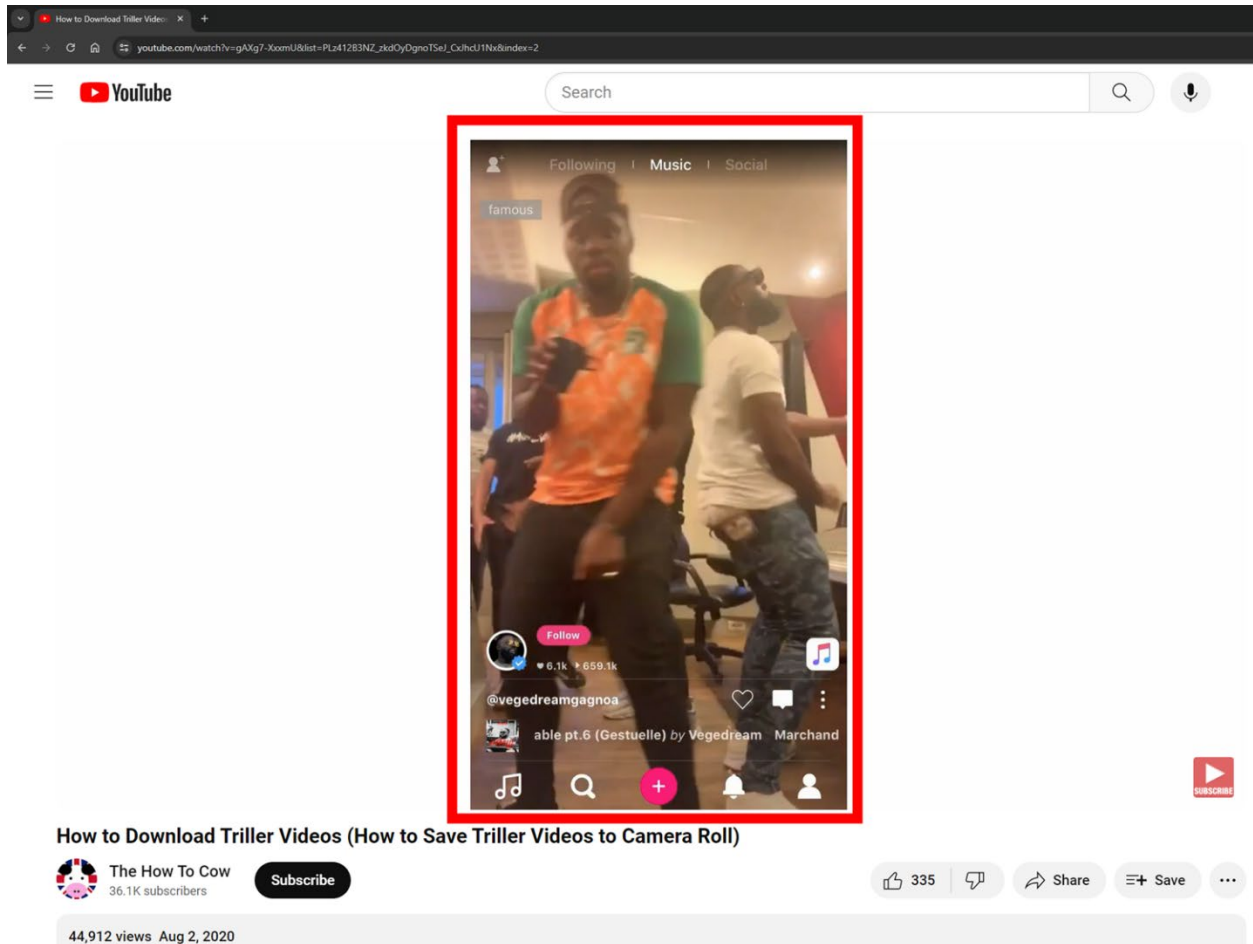
(E.g., https://www.youtube.com/watch?v=rpMH-XCdFWM&list=PLz412B3NZ_zkdOyDgnoTS_eJ_CxJhcU1Nx&index=5).



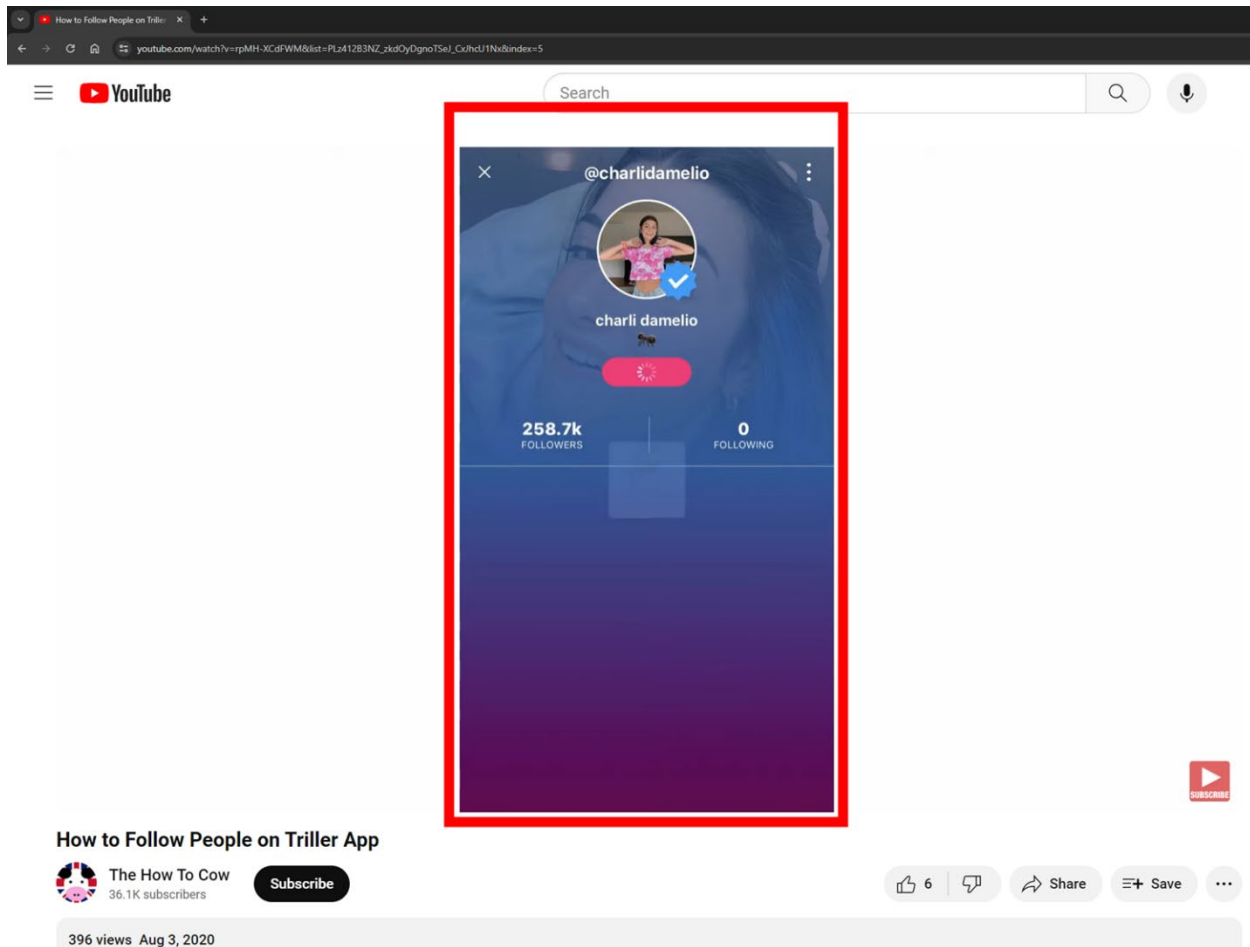
(E.g., https://www.youtube.com/watch?v=gAXg7-XxxmU&list=PLz412B3NZ_zkdOyDgnoTSeJ_CxJhcU1Nx&index=2).

50. The Accused Instrumentality employs an electronic release subsystem operatively coupled to the electronic multimedia creator server subsystem, necessarily having one or more data processing apparatus in order to serve multimedia profile and/or post content with associated photo, profile picture, video, and/or textual content to users, configured to make the multimedia content electronically available for viewing on one or more user devices. For example, as shown below, multimedia content associated with user profiles and posts is provided on various user devices (e.g., a computer or other device with a web browser or app) in response to a user logging

in to the Accused Instrumentality. Triller uses function-specific subsystems, for example as discussed below.

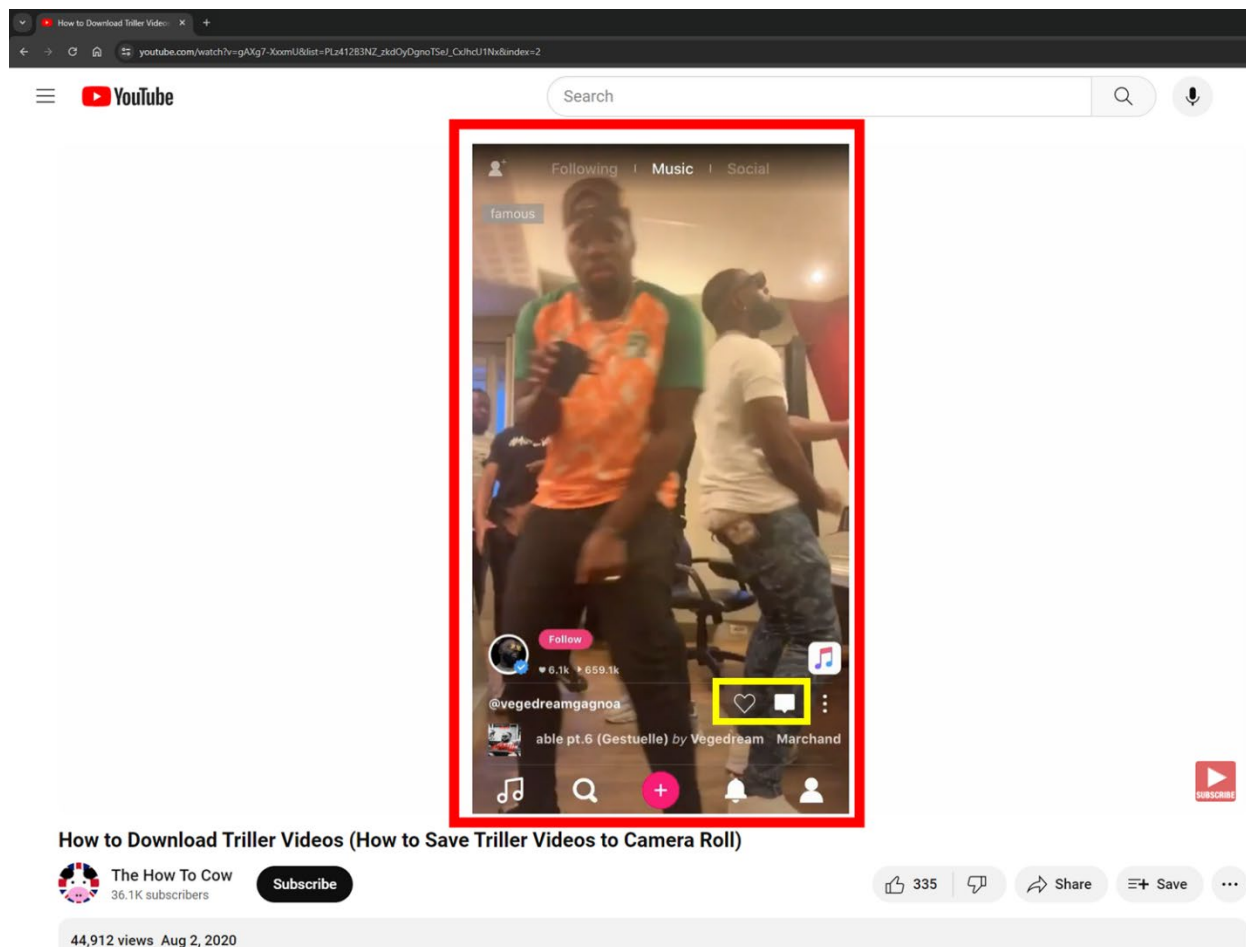


(E.g., https://www.youtube.com/watch?v=gAXg7-XxxmU&list=PLz412B3NZ_zkdOyDgnoTS_eJ_CxJhcU1Nx&index=2).

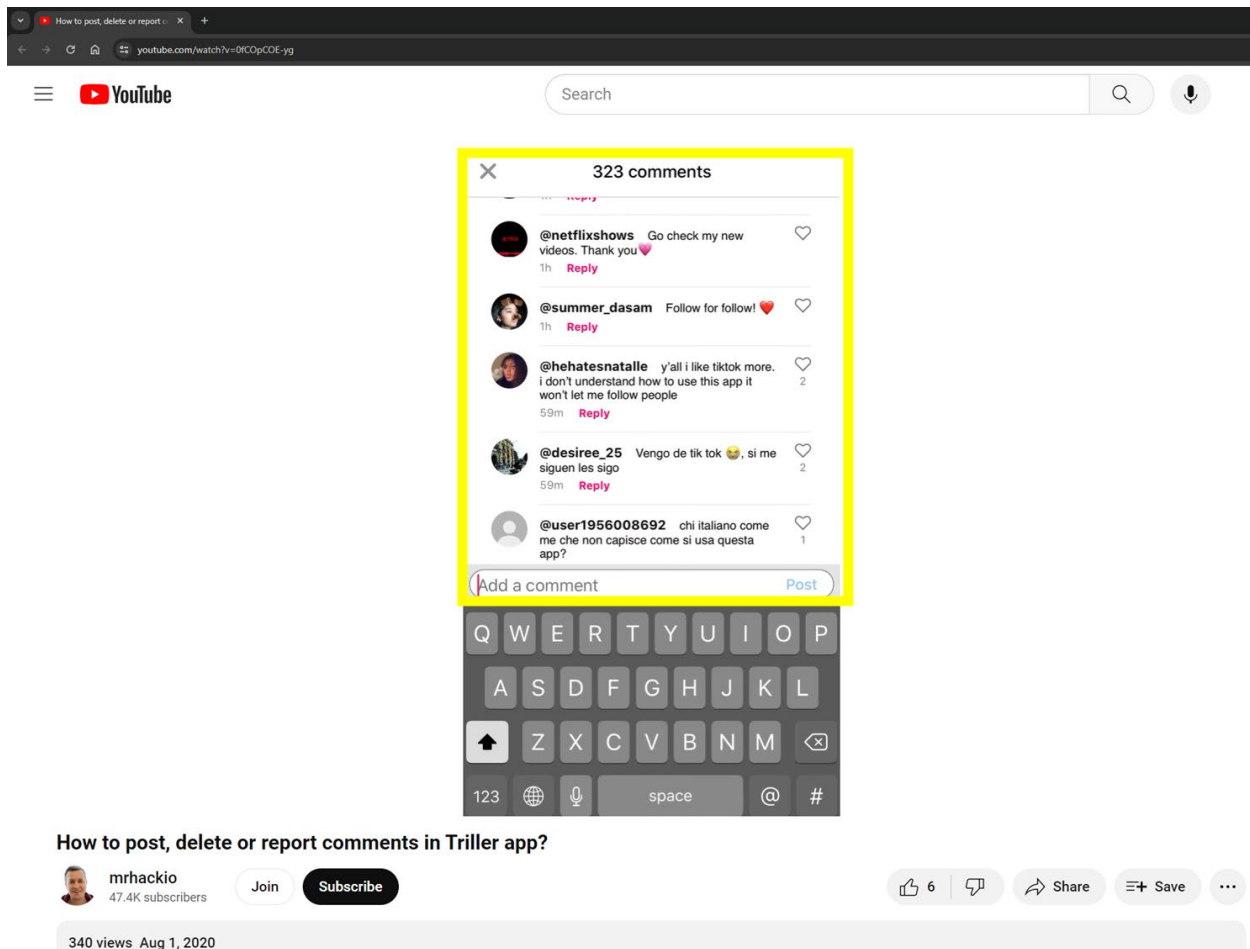


(E.g., https://www.youtube.com/watch?v=rpMH-XCdFWM&list=PLz412B3NZ_zkdOyDgnoTSeJ_CxJhcU1Nx&index=5).

51. The Accused Instrumentality employs an electronic voting subsystem, necessarily having one or more data processing apparatus in order to track voting or electronic rating, configured to enable a user to electronically transmit data indicating a vote or rating (e.g., by the user's choices with respect to a selection of a Heart Icon or a comment in the form of textual content) an electronically available multimedia content (e.g., a multimedia profile provided by a submitter, with accompanying photo and/or textual content and accompanying posts including video, photo, and/or textual content). Triller uses function-specific subsystems, for example as discussed below.



(E.g., https://www.youtube.com/watch?v=gAXg7-XxxmU&list=PLz412B3NZ_zkdOyDgnoTS_eJ_CxJhcU1Nx&index=2).



(E.g., <https://www.youtube.com/watch?v=0fCOpCOE-yg>).

52. Plaintiff has been damaged as a result of Defendant's infringing conduct. Defendant is thus liable to Plaintiff for damages in an amount that adequately compensates Plaintiff for such Defendant's infringement of the '665 Patent, *i.e.*, in an amount that by law cannot be less than would constitute a reasonable royalty for the use of the patented technology, together with interest and costs as fixed by this Court under 35 U.S.C. § 284.

53. To the extent marking is required, VCA has complied with all marking requirements.

V. JURY DEMAND

Plaintiff, under Rule 38 of the Federal Rules of Civil Procedure, requests a trial by jury of any issues so triable by right.

VI. PRAYER FOR RELIEF

WHEREFORE, Plaintiff respectfully requests that the Court find in its favor and against Defendant, and that the Court grant Plaintiff the following relief:

- a. Judgment that one or more claims of United States Patent No. 9,501,480 have been infringed, either literally and/or under the doctrine of equivalents, by Defendant;
- b. Judgment that one or more claims of United States Patent No. 9,477,665 have been infringed, either literally and/or under the doctrine of equivalents, by Defendant;
- c. Judgment that Defendant account for and pay to Plaintiff all damages to and costs incurred by Plaintiff because of Defendant's infringing activities and other conduct complained of herein, and an accounting of all infringements and damages not presented at trial;
- d. That Plaintiff be granted pre-judgment and post-judgment interest on the damages caused by Defendant's infringing activities and other conduct complained of herein; and
- e. That Plaintiff be granted such other and further relief as the Court may deem just and proper under the circumstances.

April 16, 2024

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